

FILE NOTATIONS

Entered in NID File ..✓.....
Location Map Pinned
Card Indexed ..✓.....

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed
OW..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

UTEX OIL COMPANY (Kenneth Chattin)

3. ADDRESS OF OPERATOR

4133 South 635 East, Salt Lake City, Utah 84107

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1320' SNL, 2624' WEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 road miles northwest of Duchesne, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1320'
1310'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

10,500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5830' GR

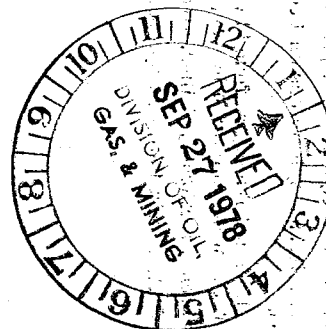
22. APPROX. DATE WORK WILL START*

July 15, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	10 3/4"	40.5#	800' 1000'	As necessary
9 7/8"	7 5/8"	29.7#	8,000'	As necessary
6 3/4"	5 1/2"	26.0#	10,500'	As necessary



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Daniel G. Newquist

TITLE geologist

DATE 8-19-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Daniel G. Newquist

TITLE

ACTING DISTRICT ENGINEER

DATE

SEP 26 1978

CONDITIONS OF APPROVAL, IF ANY

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

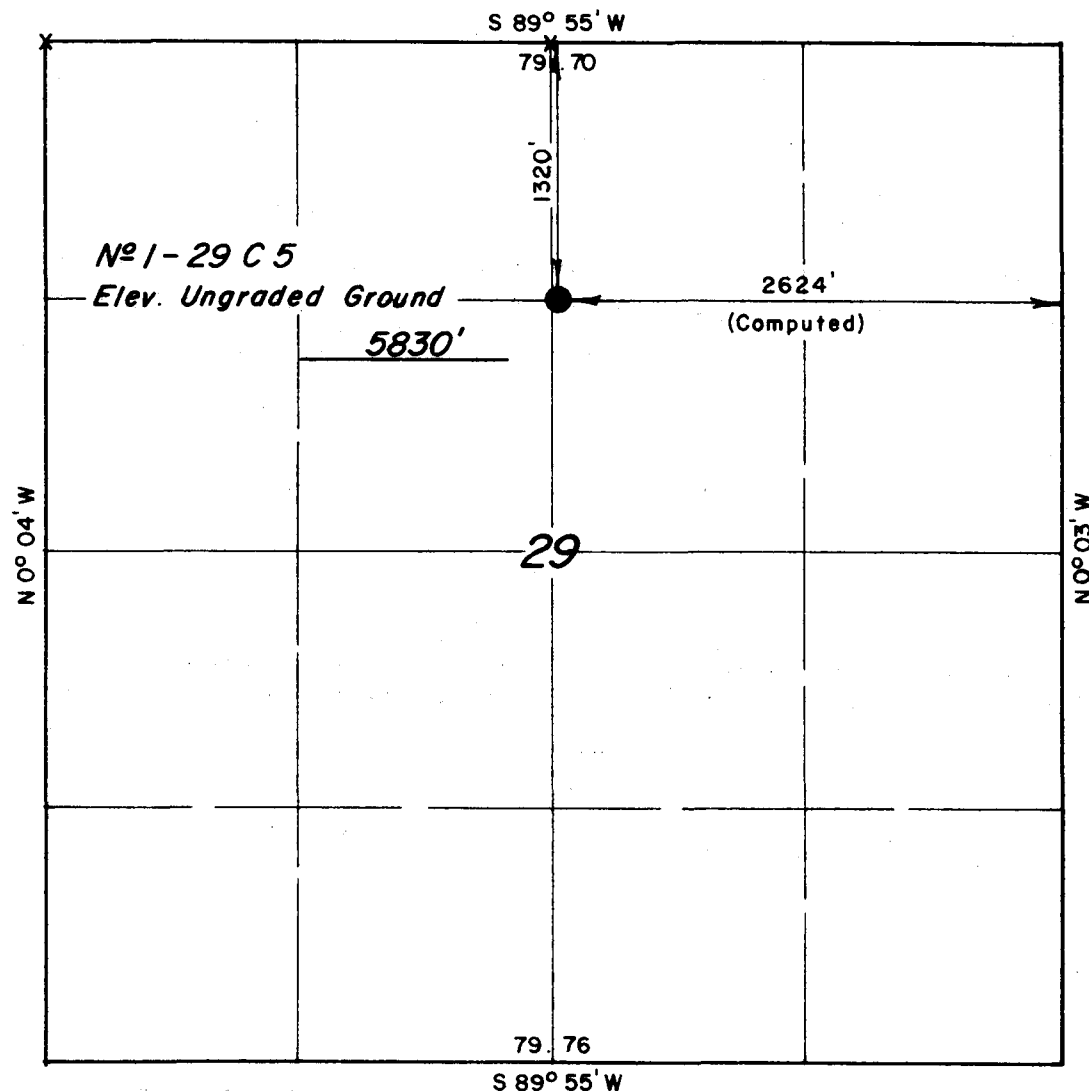
*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND
COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

T 3 S, R 5 W, U.S.B.&M.

PROJECT
KENNETH CHATTIN (UTEX OIL CO.)

Well location, N^o 1-29 C 5, located as shown in the W 1/2 NE 1/4 Section 29, T 3 S, R 5 W, U.S.B. & M. Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence C. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 5 / 30 / 78
PARTY D.A. D.S. J.B. BFW	REFERENCES GLO Plat
WEATHER Fair	FILE UTEX OIL CO.

KENNETH CH/ TIN (LITEX OIL CO.)

Nº 1-29C 5

TOPO.

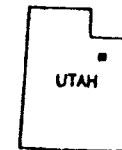
MAP "B"



SCALE 1" = 2000'

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U. S. Route State Route





EX OIL COMPANY

4133 SOUTH 635 EAST
SALT LAKE CITY, UTAH 84109
PHONE (801) 262-6869

June 20, 1978

C N 1/2 Sec 29
Wasatch

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: Permit to drill well 1-29C5
Section 29, T3S, R5W
Duchesne County, Utah

Dear Sir,

Enclosed please find the requisite copy of Federal Form 9-331C with Supplemental Information and a Multi-Point Surface Use Plan. Also, you will note that the proposed location is outside of the drilling window and a topographic exception is hereby requested under Order 139-8. The location site has been selected, (with verbal approval from Pat Driscoll) to avoid rugged topography in the area.

We trust that this application is complete and in the proper form to facilitate the rapid approval of a permit for our planned operations. If there are any questions please contact us at the above address or phone number.


Thank you.

Sincerely,



Kenneth Chattin

OK
Topo
Note Topo
Map "B"
for detail
of location



UNITED STATES
DEPARTMENT OF THE INTERIOR
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24.

SIGNED Robert C. ChattenTITLE geologistDATE 6-19-78

(This space for Federal or State office use)

PERMIT NO. 43-013-30-419

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Unusual Environmental Analysis No. 1180

Application for Permit to Drill

Utex Oil Company (Kenneth Chattin), Operator

Well No. 1-29C-5 ^W
NE 1/4 Sec. 29, T.3S., R.5E.,
USB&M, Duchesne County, Utah

Ute Tribal Lease No. 14-20-H62-2393

Prepared by: Donald C. Alvord, District Geologist, Salt Lake City, Utah
~~Robert C. Chattin~~, Petroleum Technician, Salt Lake City, Utah
Gordon W. McCrary

Date: September 14, 1978

Reviewed by: *Lynn E. Runt*, NRMA Environmental Scientist,
Casper, Wyoming

Date: September 15, 1978

Related Environmental Analyses: None

Introduction (On-site examinations and evaluation process):

The following participated in a joint inspection of the proposed well site and access on July 27, 1978:

<u>Name</u>	<u>Representing</u>	<u>Title</u>	<u>Stationed</u>
Robert C. Chattin	Utex Oil Company	Geologist	Salt Lake City, Utah
Jack Skewes	Skewes & Hamilton	Dirt Con- tractor	Duchesne, Utah
Lynn Hall	U.S. Bureau of Indian Affairs	Soil Con- servationalist	Fort Duchesne, Utah
Gordon W. McCrary	U.S. Geological Survey	Petroleum Technician	Salt Lake City, Utah

Donald C. Alvord examined the proposed well site and surroundings on August 16-17, 1978. This examination included:

- 1) a careful walk (both ways) along the proposed access road to the proposed well site;
- 2) a thorough check of all reasonable alternate access routes to the proposed site;
- 3) examination of the proposed pad area;
- 4) examination of several producing oil and gas wells in the vicinity;
- 5) examination of plugged and abandoned oil and gas wells in the vicinity;
- 6) discussions with pump men servicing producing oil and gas wells in the vicinity concerning environmental impact and potential environmentally deleterious accidents related to the wells under their service;
- 7) examination of current oil and gas drilling and work-over operations located nearest to the application area;
- 8) discussions with tool pushers supervising the operation of rotary drill rigs and work-over rigs located nearest to the application area concerning their viewpoints regarding the environmental impact of their operations.

- 9) drive out to all easily accessible viewpoints in the Starvation Reservoir area to obtain a reservoir user's view of the impact of oil and gas operations in the vicinity;
- 10) discussion of the oil and gas operations in view with reservoir users;
- 11) interview and discussion with environmental scientists, geologists, and engineers of the U.S. Bureau of Reclamation stationed at Duchesne in order to obtain site specific data and their opinions regarding the proposed oil and gas tests;
- 12) discussion with Lynn Hall, Soil Conservationist, Bureau of Indian Affairs, concerning his examination of the proposed oil and gas test and his opinion regarding oil and gas operations in the area, generally;

Subsequent to the on-site examination Don Alvord interviewed face to face or by phone the following specialists for additional expertise and data concerning the proposed action:

- 1) Garth W. Leishman, Party Leader
Vernal Soil Survey Party, Suite No. 3
U.S. Soil Conservation Service
1303 West 600 South
Vernal, Utah 84078
- 2) William C. White, Assistant Area Manager
Colorado-Utah Area
U.S. Fish and Wildlife Service
1426 Federal Building
Salt Lake City, Utah 84138
- 3) Floyd Johnson, Meteorologist
U.S. Geological Survey
MS-601, Box 25046
Federal Center
Denver, Colorado 80225
- 4) Robert P. Dalley, Air Quality Specialist
Air Pollution, Environmental Health Services Branch
Utah Social Services Department
150 West, North Temple
Salt Lake City, Utah 84103
- 5) Gerald Tazenby, Sedimentationist
U.S. Bureau of Reclamation
7406 Federal Building
Salt Lake City, Utah 84138

The Bureau of Land Management was contacted but has no surface management responsibility in the close vicinity of the application area, and therefore had no input of use to this environmental analysis.

Critical references used in preparation of this analysis are listed under "Source Materials" at the end of the memorandum.

Proposed Action:

On June 21, 1978, Utex Oil Company filed an application for Permit to Drill the No. 1-29C5 development well, a 10,500 foot test of the Green River and Wasatch formations for oil and gas. The proposed test is located at 5,830 feet above sea level on the Uinta Formation in the Altamont field, on Ute Tribal mineral lands and private surface, under Lease No. 14-20-H62-2393.

A rotary rig would be used for the drilling. The proposed casing and cementing program would be adequate to protect other leasable solid minerals and for a producing oil and gas well. However, the proposed surface string, 10-3/4 inch casing to 800 feet, may not be deep enough,

to protect possible aquifers containing usable ground water (see discussions in Hydrology and Subsurface Effects). A blowout preventer would be used during the drilling of the well. The proposed pressure rating is considered adequate for tests in the Altamont field. It should be noted, however, that Mountain Fuel Supply reported a blowout at 8,471 feet in the Green River Formation in its oil and gas test No. 2 Cedar River drilled about 6 miles west of the proposal in SW-1/4, NE-1/4, Sec. 20, T.3S., R.6W., USB&M. The operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are included in the appendix.

The operator proposes to construct a drilling pad 200' x 300' (1.4 acre), and a reserve pit 75' x 150' wide (0.3 acre) and 8' deep. At least half of the 8 foot depth would be below the existing ground surface. A new access road would be constructed having an 18' crown and about 1.4 miles of traverse. Disturbed surface associated with this road construction would average 24' in width and cummulate about 4.1 acres. If production is established the operator would erect production facilities on the disturbed area of the proposed pad and a gas flow line, plans for which have been submitted to the appropriate agencies for approval.

Agreement has been reached with the private surface owner, Mrs. Juanita Smith, 1476 South Wasatch Drive, Salt Lake City, Utah 84108, a letter to follow from Utex Oil company. Rehabilitation plans would be decided upon as the well neared completion; concerned surface management agencies would be consulted for technical expertise on those arrangements.

The anticipated starting date, as of this writing, is September 1978, and duration of drilling activities would be about 45 days.

There was no objection raised during the field examinations, to the proposed well site nor to the proposed access road, or during any interview or discussion with reservoir users or with agency personnel concerned with the administration of the lands involved or near by.

Location and Access:

By straight line the proposed test site No. 1-29C5 is 4.1 miles N.58°W. of the Uintah Basin Field office of the U.S. Bureau of Reclamation located on U.S. 40 in the Town of Duchesne, all in Duchesne County, Utah (fig.1). Registered land survey or plot (fig.1a) shows the precise land net location of the proposed hole and its approximate ground elevation of 5,830 feet above sea level.

Road access to the proposed site is as follows: From the Bureau of Reclamation office in Duchesne proceed west along U.S. 40 5.1 miles to the west abutment of the bridge across Starvation Reservoir. Continue west 1.5 miles to the only 180° right turn off on black top, and proceed 0.3 miles to a left (north) turn off on heavy duty gravel road. Proceed north and northeastward up the north fork of Rabbit Gulch past producing oil and gas well T-F1 up a steep rise to a flat and the right turn off southeast, a total of 4.4 miles. Proceed 1.84 miles southeastward to right turnoff southwest. Continue 0.5 miles to start of proposed road which would take off existing heavy duty graveled road just north of producing well JV 1-19C5. From this junction the proposal would entail the construction of about 1.4 miles of new heavy duty graveled road southeastward to the test site (fig. 1).

Topography:

Proposed well site 1-29C5 is located at an altitude of 5,830' above sea level on a gently rolling to nearly flat, narrow ridge which forms the divide between two intermittent streams that drain eastward into Starvation Reservoir (fig. 1). Examination of Photo Plates No. 1, 2, and 3 shows that immediate relief in the proposed drilling pad area is less than might be deduced from figure 1. Construction of the pad will involve no more than 5 feet of cut, and generally less than 3 feet of fill.

Starvation Reservoir has a designed active conservation stage of 5,712.0' above sea level, an inactive stage of 5,624.8', and a maximum water stand of 5,718.3'. The proposed test would be within about 1,050 feet of the high water line and range, with the changing stage levels, from about 112 to 205 feet above the reservoir surface.

Altitude of the terrane traversed by the proposed access road would range from about 5,985' north of the cliff crossing, to 5,830' at the drill site (fig. 1). The road grade would mostly range from less than 1 to 3 percent and be held to no more than 8 percent (at the cliff crossing). One 800 foot leg, south of the cliff, would have an average grade of about 5 percent.

About 40 percent of the land leveled for construction of the road and drilling pad (or 2.3 acres) would be where Juniper-Pinyon cover predominates and sandstone ledge rock is at, or about at, the surface. Intermittent drainage is eastward, mostly across the south to southeast trace of the proposed road. From 4 to 6 culverts would evidently be required to reduce the probability of washouts following cloudbursts or during spring run off.

Geology:

Proposed test No. 1-29C5 is located in the Altamont oil and gas field in the western portion of the Uinta structural and physiographic basin (fig. 2, 4, and 5a). References concerning the geology and petroleum potential of the area include: Crawford, 1963, Eardly, 1950, Picard, 1973, Sabatka, 1964, Seal, 1957, and Staff, 1964.

Major structural elements related to the Uinta Basins history and setting are shown in figure 2. The geologic section and areal geology of the Duchesne area, is summarized on figure 3. Figures 4, 5, and 5a outline structural and stratigraphic features germane to the setting of the proposed test.

Among the rock formations listed on figure 3, only the Wasatch, Green River, and Uinta Formations are of direct concern to the application. Surface rocks throughout the area of the proposal and most of the Starvation Reservoir area, are of the Uinta Formation, Eocene in Age.

The exposures of Uinta rocks are chiefly made up of complex interstratified lenticular units of quartz wacke sandstone and bentonitic shales. The sandstone is mostly light gray weathering buff to slightly reddish brown, fine-to medium-grained, moderately consolidated, locally calcareous. The shale is variegated shades of grayish red, grayish green, and medium-dark gray, silty to sandy, bentonitic, and locally calcareous. When not eroded the maximum thickness of the Uinta Formation is about 4,000 feet; however, in the application area, probably only about 1,500 feet of these rocks are

present. These surface rocks dip from 2-4° north to northeast, in conformity with the regional structure of the Uinta Basin. All the proposed surface activity will be in these rocks or soils derived thereof.

The Green River Formation is known only from the subsurface in the application area. Of Paleocene and Eocene in age, this formation is made up mainly of complexly interstratified mostly thin beds of shale, siltstone, sandstone, and limestone of lacustrine origin and some beds of oil shale and carbonate evaporites. Units with lithologies clearly of Green River in nature interfinger with both the overlying Uinta Formation and the underlying Wasatch Formation. Allowing for structure and ground elevation, this intertonguing causes widely differing reported depths to the tops of the Green River and Wasatch among several holes drilled by different operators in the same general area, such as the area represented by figure 1 of this report. Thus, for example, oil and gas wells JVI-19C5 and TG 1-20 report Green River top at 3,742' and 4,111' respectively, whereas wells UT 32-1 and T 33-1 report Green River top at 1,230' and 700' respectively. Allowance for ground evaluation and structure, combined, would only account for differences in the magnitude of 750-1,000 feet at the most. In the western part of the Uinta Basin and the vicinity of Duchesne, the maximum thickness of the Green River may approach 7,000 feet.

Paleocene in age, the Wasatch Formation consists chiefly of lacustrine grayish red shale, sandstone, and conglomerate. It interfingers with the underlying formations and its maximum lithostratigraphic thickness may exceed 5,000 feet in the western Uinta Basin area.

Hydrocarbons:

In the Altamont field natural gas, condensates, and oil is produced from the top of the Lower Green River Formation (TGR₃ marker) to the base of the Wasatch Formation (top of the Cretaceous). State regulated drilling units are 640 acres with no more than one well on any such unit in production from the defined common source of supply. Accumulation and entrapment is largely stratigraphic in sandstone effected in part, by structural gradients, and in part by complex intertonguing and lithofacies changes, both inter- and intra-formational. Fault control is inferred locally. Production from the upper part of the Wasatch and Units A and B of the Black Shale facies of the Green River Formation (Picard and others, 1973), has been comingled in some wells, but more commonly first production is obtained from the Wasatch, the reserves in the Green River being held for later test and production.

The oils from the Altamont field are paraffin based with high gravity and pour points. Solidifying temperatures as high as 130°F are reported. Reportedly, the oil leaves the ground at temperatures as high as 150°F. The A.P.I. gravity of first production oil reported for 15 of the 17 producing or plugged and abandoned holes shown on figure 1 ranged from 23.5° to 53.8° and averaged 44.6° (S=7). Although the high gravity-pour point of the Altamont field oil creates problems in production and transport, the same property reduces the chance of an oil spill reaching drainage almost to zero. At nearly any potential ambient temperature in the area, the oil will be either like shoe-polish wax or a grease, which will mound up where spilt but will flow only very short distances and will not soak into the soil.

Reportedly, the oil is light yellow, practicably free of sulfur ($\bar{X}=0.10\%$) and the natural gas from the field is "sweet" or essentially free of hydrogen sulfide and generally high in BTU value (950-1,100 BTU/cf) (oral communication, Charles Brunnert, Refinery Manager, Plateau, Inc. Refinery, Roosevelt, Utah, August 18, 1978).

Other Leasable Minerals:

Geological Survey information indicates that all of the lands within figure 1 are valuable for oil and gas, oil shale, and asphalt (bituminous limestone and wurtzilite), and are without value for other minerals, either metalliferous or nonmetalliferous. All of these lands are in oil shale withdrawal by Executive Order No. 5327, approved April 15, 1930.

Oil Shale

The thickest and the richest of the oil shale deposits occur near the deepest part of the Uinta Basin. The lands involved here are situated near the edge of the basin and, though they are in the Oil Shale Withdrawal, would have a nominal value for oil shale. Preliminary data indicate that the oil shale deposits in this area are approximately 15 feet thick and would yield about 15 gallons of oil, or less, per ton of rock.

Asphaltic Materials

It has been known since 1901 (and probably earlier) that the Green River Formation in the general area of lands involved in this report contains some bituminous limestones. The bitumen impregnated limestones are generally 2 to 6 feet thick with an outcrop length of 50 to 500 feet and commonly contain between 10 and 20 percent bitumen, with a maximum of 70 percent. Wurtzilite veins also occur in this area, enclosed in the bituminous marlstones of the Uinta Formation. Liquid wurtzilite oozes from the bed of the Strawberry River west of Duchesne.

Sodium Minerals

The top of an 87 foot thick sequence of bedded sodium carbonate minerals (including nahcolite, trona, shortite, northupite, eitelite, and wegsheiderite) was penetrated at 4,153 feet in a core test located in NE-1/4 NE-1/4 sec. 10, T.3S., R.5 W. These beds have also been identified by their mechanical log characteristics in well No.1-JS (Carter Oil Company) in sec. 16 (fig.1) at a depth of 3,600 feet. If widespread, this same zone of sodium carbonate minerals might be penetrated in 1-29C5 at a depth of somewhere between 3,000 and 3,200 feet.

Geologic Hazards:

Practically speaking, there are no life endangering geologic hazards in the area. In view of the small drainage area available, flash flooding might prove costly in terms of road maintenance but would not be of a scope to endanger workers. The proposal is in a zone of minimal seismic risk where only minor danger from earthquakes would be expected (Algermissen, 1969). All recorded earthquake activity from 1853 to 1975 in the west central Uinta Basin area and surroundings is shown on figure 6.

Soils:

Soils along the proposed access road and at proposed test No. 1-29C5 are derived from rocks of the Uinta Formation. Development is largely in situ except for local removal and redeposition owing to surface run off and slight accretion of wind born particulates.

The soil at the proposed site is yellowish gray ($5Y^{6.5}/2$) silty to sandy clay loam evidently largely derived from a thin bed of shale occurring between two sandstone beds which crop out about 100-150 feet to the northeast and southwest of the proposed hole. The material is compact but easily dug and does not appear stratified. Organic material is largely lacking under 14X hand lens. Some sand and clay has washed into the pad area but the maximum expected depth to bed rock is about 5 feet. Depth of cover ranges down to zero locally in the vicinity of the cited sandstone outcrops.

A trench and hole in its bottom, dug to a depth of 2 feet located 20 feet west of the proposed hole, did not encounter bed rock or rock fragments. Dilute hydrochloric acid caused the soil in the hole to rapidly fizz at all depths excepting the top inch or so. Water (one quart) dumped into a 5" X 5" X 6" deep hole cut into the bottom of 1-1/2 foot deep trench disappeared in 4-1/2 minutes. The ground was dry and I didn't have sufficient water to saturate.

According to Garth W. Leishman, Party Leader and Soil Scientist with the U.S. Department of Agriculture at Vernal, Utah (oral communication, 08-29-78), 'there are no soil surveys in the area of the proposal. Based on my description of the site Garth stated that the taxonomic name for the soil is "fine-loamy mixed (calcareous) frigid ustic torriothents."

Soil cover along the proposed access road would be comparable to that described at the proposed well site although less clayey and more sandy at many localities. In any case, surface run off is rapid and erosion hazard is moderate when natural vegetation is standing, and is high when the vegetation is removed, especially where the soil structure has been broken.

Drilling muds prepared to prevent lost circulation would be adequately retained by reserve pits constructed at the site area, the fresh water side, however, would need lining with bentonite or film, in order to retain water effectively.

Climate and Air Quality:

There is little available specific to the area concerning climate or air quality. However, from oral communication with Floyd Johnson, Meteorologist, and Robert P. Dalley, Air Quality Specialist (see listing under introduction), and from the references specific to climate listed at the end of this report, some generalizations can be made concerning the town of Duchesne located only about 4 miles southeast of the proposed action.

At a general altitude of 5,520' above sea level on the flood plain of the Duchesne and Strawberry Rivers, the Climate at the town of Duchesne is semiarid. During the interval 1906-1972 annual precipitation at Duchesne ranged from 4.60 to 15.70 inches and averaged 9.19 inches. Drier than average cycles occurred in the area during the mid-1930's, the late 1950's, the early 1960's, and from 1965-1972. Most precipitation in the area falls in the July-October period, the season of peak thunderstorm activity in the Uinta Basin. During this period local torrential rains result in rapid run off and flash floods.

The area has hot summers and cold winters. During the interval 1941-1972, the mean annual temperature at Duchesne ranged from less than 20°F in January to about 70°F in July. During the same period the annual temperature averaged 45.3°F and the coldest January averaged 17.9°F. However, minimum midwinter temperatures commonly fall below 0°F and maximum midsummer temperatures commonly exceed 90°F. The growing season-average number of days between the last spring-first fall temperature of 28°F-is about 150 days.

Evapotranspiration in the Uinta Basin area is high. Average annual lake evaporation in most of the area exceeds 36 inches (Iorns and others, 1965), which greatly exceeds the average annual supply from precipitation.

Reportedly, prevailing winds would flow from the southeast towards the northwest but there are no data available concerning this or the pattern of the wind velocities.

The proposed test is in an area where all National Ambient Air Quality Standards (NAAQS) are being met for all evaluation pollutants (SO_2 , CO, HC, NO_2 , O_3 and SPM) and is included in a Class II Prevention of Significant Deterioration (PSD) requirement area. That is, the area is an "attaining area" in which new facilities are subject to PSD requirements.

Speculation suggests that on days of high winds evaluation pollutant SPM (suspended particulate matter) would exceed the NAAQS and that on days of high air pollution potential (subsidence inversions) the HC originating from the vegetal cover would exceed the NAAQS. This is a gray area, however, about which there are no area specific data.

Hydrology:

The Strawberry River, including, Starvation Reservoir, is the only perennial surface drainage serving the application area. Surface drainage in the application area is intermittent and flows principally east or south and east into Starvation Reservoir. The quality and long-term discharge of the Strawberry River water as determined at gaging stations and sampling sites located close above Starvation Reservoir and at Duchesne, are here reported on Water Plates No. 1, 2, 3, 4, and 5 (taken from Hood and others, 1976).

Potable ground-water in the area occurs mainly in unconsolidated glacial outwash and alluvium along the Strawberry River channel (now beneath Starvation Reservoir) and in the consolidated rocks of the Uinta Formation. Ground-water occurring in the glacio-fluvial deposits at the bottom of Starvation Reservoir is of academic interest only, and will not be discussed here.

Where the Uinta rocks occur at practical depths, much of the water used for domestic and stock purposes is obtained from this formation. Sandstone, principally in the upper part of the Uinta, commonly contains water under artesian pressure but the aquifers generally have low permeabilities. The ability of the Uinta rocks to yield and transmit water is locally greatly enhanced by fracturing commonly related to basin subsidence effects on the rocks. Tests performed by Hood and others (1976) found that where dewatered by pumping, the Uinta sandstone would have an estimated specific yield of only about 1 percent, and that the permeability of the rocks is such that uncontrolled production creates large declines in the potentiometric surfaces near the wells.

Water in the Uinta Formation ranges from fresh to very saline, depending upon the lithology and the depth of burial of the producing zone. Usable fresh to saline water may occur in the Uinta to depths of about 900 feet in the immediate area south of Starvation Reservoir. Most small diameter wells in these rocks have small yields--less than 10 gallons/minute--and large drawdown. Well records and quality analyses for water from the Uinta Formation from the NE-1/4 SW-1/4 NE-1/4 Sec. 7, and from the SE-1/4 SW-1/4 SE-1/4 Sec. 31, both in T.3S., R.5 W., USB and M, are shown on Water Plates No. 6 and 7.

Ground-water recharge is normally derived from precipitation that falls within and nearby the area of concern and from seepage losses along the perennial drainage ways. Since the Starvation Reservoir was established, it is likely that seepage intake along this portion of the Strawberry River has increased at some localities. Although the rate of ground-water movement is slow in most places because of the generally low permeability of the rocks, the probable extent and configuration of fractured ground in the locality of the proposed test cannot be predicted. Also, available water-level data are insufficient to determine direction of groundwater movement in the area. It is possible that fresh or usable saline water reserves in the vicinity of the proposed test, at times move towards the reservoir and at other times are receiving water from the reservoir, depending upon changes in the potentiometric surface and in the levels of the reservoir. Most likely, at the proposed test water occurring in the upper several hundred feet of the rock column flows slowly through the rocks towards the reservoir. A casing and cementing program adequate to completely protect the rocks to a depth of at least 1,000 feet would probably be adequate to prevent production fluids from the Green River and Wasatch Formations commingling with usable ground water in the Uinta, as well as prevent ultimate pollution of the reservoir. If the operator protests cementing a string from surface to at least 1,000 feet, let him demonstrate the presence of unusable very saline waters at shallower depth by geophysical logging after the drilling has reached suitable casing depths.

Flora and Fauna

An area of shallow soils and rocky terrane ranging from about 5,700 to 6,000 feet in altitude, the application area is within the Juniper-Pinyon zone of vegetation which in the Uinta Basin region occurs between 5,500 and 7,000 feet. Juniper-Pinyon predominates in the rock outcrop areas whereas big sagebrush community predominates in the soil covered areas.

During the examination the following plant types were noted as common in the area: Juniper pine, pinyon pine sage brush, bitter brush, rabbit brush, sparse grasses and forbes, barrel cactus, prickly pear, yucca,

and Mormon tea. Wildlife noted included: ants, lizards, nesting doves (in juniper), rabbits (desert cottontail), prairie dog (solitary) ground squirrels, chipmunks, sparrows (?), jays, and one turkey vulture. Evidence of other animal use in the area included badger holes, cow dung, horse plops, and deer skeletons. Sea gulls, ducks, and geese were seen about the reservoir.

According to Lee K. Swenson, Big Game Biologist, U.S. Bureau of Reclamation stationed at Duchesne: The proposal is part of a major winter range for mule deer. Other habitants reported in the area include skunks, coyotes, marsh hawks, red tail hawks, ruff legged hawks, vesper sparrows, magpies, crows, and blue heron. The endangered bald eagle and peregrine falcon winter in the Uintah Basin region but there have been no official sightings at Starvation Reservoir. There are no strutting grounds in the area.

Endangered Species:

According to Wm. C. White of the U.S. Fish and Wildlife Service, (see introduction), there are no endangered species (fauna) residing in the Starvation Reservoir or its immediate surroundings. The Strawberry River, however, is tributary to the Green River wherein reside threatened and endangered species.

The application area is within or at the fringe of the distribution range of four species of wildlife Federally listed as endangered (in range). The four endangered species are the black-footed ferret, the American peregrine falcon, the whooping crane, and the bald eagle. The area is also within the historic range of the bobcat, which is on the State's list of declining species.

The State of Utah reported in 1974 that it was unlikely the black-footed ferret exists in the State at the present (Utah Division of Wildlife Resources, 1974). In 1975, one ferret was sighted by a Fish and Wildlife Service employee about 50 miles east of the area near Vernal (Fish and Wildlife Service, 1975b). This is the farthest west black-footed ferrets have been reported and appears to be at the western edge of their known distribution range (Bureau of Land Management, 1972). No ferrets were observed during the biological inventory (Utah Division of Wildlife Resources, 1977).

Two whooping cranes were observed during migration on the Ouray Wildlife Refuge near Ouray during the summer of 1976. These birds are a product of a fish and wildlife experiment carried out in Idaho. In this experiment, whooping crane eggs were hatched beneath greater sandhill crane parents and later released.

The bald eagle is currently dispersed throughout Utah from October to April as a winter visitor, coming from as far away as Saskatchewan, Canada, and including birds from many areas between Utah and Canada. As a result, bald eagles occasionally use the Uinta region during the winter, but winter-concentration areas are typically located on State and Federal waterfowl management areas within the State (Utah Division of Wildlife Resources, 1977e).

There have been infrequent sightings of peregrine falcons east of Starvation Reservoir in eastern Duchesne County and western Uintah County by biologists of the Fish and Wildlife Service. The high cliffs above Whiterocks Canyon constitute peregrine falcon habitat, but no past sightings have been reported.

The Colorado River squawfish and humpbacked chub, both Federally listed as endangered are not believed to presently exist in the area of the Starvation Reservoir. A single humpbacked chub was found in 1976 at the confluence of the Duchesne and Green Rivers by the Fish and Wildlife Service (personal communication, Del Robinson, biologist at Vernal, Utah, October 3, 1977). Both species are known to occur in the Green River, upstream and downstream from the Duchesne River confluence (Holden and Stalnaker, 1975; Fish and Wildlife Service, 1975c).

No plant species in Utah are presently receiving protection under the Endangered Species Act; however, the U.S. Department of the Interior has recently published a list of species proposed for endangered status (U.S. Department of the Interior, 1976c). Of the approximately 1,700 plants on the proposed list, 15 can be found in Duchesne and Uintah Counties. Table B-8 lists these species, none of which were found in eastern Duchesne or western Uintah Counties in vegetative studies conducted by the Utah Division of Wildlife Resources (Utah Division of Wildlife Resources, 1977).

Table B-8
Endangered vegetation in Duchesne and Uintah Counties

<u>Species</u>	<u>Common name</u>
<u>Cryptantha breviflora</u>	Catseye (unnamed)
<u>Lepidium barnebyanum</u>	Barneby's peppergrass
<u>Physaria grahamii</u>	Twinpod (unnamed)
<u>Sclerocactus glaucus</u>	No common name
<u>Astragalus detritalis</u>	Milkvetch (unnamed)
<u>Astragalus hamiltonii</u>	Hamilton's milkvetch
<u>Astragalus saurinus</u>	Milkvetch (unnamed)
<u>Hermidium alipes</u>	No common name
<u>Erigonum sphedroides</u>	Wild buckwheat (unnamed)
<u>Penstemon garrettii</u>	Garrett's beardtongue
<u>Penstemon grahamii</u>	Beardtongue
<u>Glaucocarpum suffrutescens</u>	Pack mountain mustard
<u>Erigonium hylophilum</u>	Wild buckwheat
<u>Erigonium intermountain</u>	Wild buckwheat
<u>Astralagus lutosus</u>	Dragon Milkvetch

The species listed above were reviewed by Brigham Young University regarding their probable occurrence in project feature areas or on full service irrigation lands. The university determined that of the 15 listed species only two, Astragalus hamiltonii (Hamilton's milkvetch) and Cryptantha breviflora (Catseye), could possibly exist in the area. Further, the latter is a common endemic plant which is neither endangered nor threatened and therefore will probably not be found on the final list of endangered species when published in the Federal Register.

Socioeconomics and Land Use:

The area is sparsely populated, averaging about 3.7 persons per square mile. About 2,250 people reside at Duchesne (personal communication, Linda Furrh, Duchesne City Treasurer), the only town in the immediate area. Some 15-20% of Duchesne's population depend upon oil and gas for income, about 25% upon the U.S. Bureau of Reclamation, 40% upon the services and trades, and 20% upon farming and ranching.

Social and economic conditions in the area are in disequilibrium due to a growing, if somewhat fluctuating movement from a century-long totally agrarian based economy towards a diversified economy in which exploration and production of oil and gas, river basin development (Bureau of Reclamation), tourism, hunting and fishing, summer residence, and allied service industries, have become major if not predominant. Seemingly, people who are almost exclusively of one religion and common socioeconomic culture, are being overwhelmed by people of mostly other religions, differing life styles, and notably higher incomes.

Drillers and operators would employ some local people (drivers and helpers) as well as obtain goods and shelter in Duchesne. This increase in the local economy is temporary but welcome by the merchants and motel operators. The proposed action would not strain facilities as the town has adequate transient facilities, even during the tourist season.

The proposal is on private surface where controlled grazing, hunting and wildlife habitat are the only established uses. There are no occupied or abandoned dwellings on the private land or in the area of figure 1 north of Starvation Reservoir. Neither archeologic sites or fossils of unusual scientific interest are known in the area of the proposal. The area surrounding (north of the reservoir) has exploration and production of oil and gas as the most economically important activity, in addition to wildlife habitat, hunting, and controlled grazing. In view of the nations increasing desperate need for convenient petroleum products and the current research towards improved methods of secondary and tertiary production, it is likely the area will see increased development-production expenditures and associated employment for at least 50 years.

The site is 1,200 feet northwest of Starvation Reservoir, an important recreation area. Starvation Reservoir is important for fishing, boating,

swimming, camping, and general scenic value. The monthly visitation record for Starvation Reservoir in 1977 is tabulated below.

<u>Month</u>	<u>Visitors</u>
January	825
February	926
March	2,202
April	4,914
May	18,974
June	15,005
July	28,044
August	17,399
September	12,965
October	3,115
November	1,029
<u>December</u>	<u>845</u>
<u>1977</u>	<u>106,243</u>

See socio-economic Plate No. 1 for a detailed summary of the physical features, recreational facilities, and uses made of this reservoir. See also Photo Plates No. 4, 7, 9, and 10 for a visual perspective into the scenic value of Starvation Reservoir.

Effects on the Environment

Surface Effects:

Impact on the area would be light and distractions from aesthetics which would occur over the lifetime of the project are judged to be minor. Site and access road preparation will denude about 5.8 acres of land. This would destroy the vegetation, displace the animals and increase erosion and dust. If erosion became serious, additional drainage controls such as water bars and dikes would be installed, and reseeding of slope-cuts done, to minimize the problem.

Should the well site be abandoned, surface rehabilitation would be done according to the surface owner's requirements and to USGS' satisfaction. This would involve leveling, contouring, reseeding, and possibly replanting of the location and possibly of the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

The area receives sufficient rainfall for rehabilitation to be successful. No endangered or threatened species of plant or animal is known to be present. During drilling, traffic would be kept to a minimum and only necessary people would be allowed on or near the site, with housing off-site for all the drill crew except the toolpusher and geologist.

Traffic and drilling operations would increase air and noise pollution and be aesthetically objectionable. Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area were abandoned, noise levels would return to pre-drilling levels.

Relatively heavy traffic would occur during the drilling operations, increasing dust levels and exhaust pollutants in the area. If the well was completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project resulted in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service and limited time span of their operation, the air quality would not be substantially reduced.

Even with adequate blow-out prevention equipment, contingency plans, and experienced crews, a blow-out could happen. A blow-out of gas might burn, which would be visible from the reservoir, but such a burn would be of short duration. If a blow-out of oil were to occur, the oil could be easily cleaned up before reaching Starvation Reservoir.

There would be impact on tourism. While not visible from major roads, the site would be visible from Starvation Reservoir. After drilling operations, completion equipment would be visible to reservoir users but would not present a major intrusion. All permanent facilities placed on the location would be painted light sand color to blend with the natural environment.

Should this well discover significant hydrocarbons, local, state and national economics would be improved and additional development wells should be anticipated, with additional environmental and economic impacts.

Two views from sites on the Starvation Reservoir of the locality of proposed test well No. 1-29C5 are shown on Photo Plate No. 4. Partly because the site would be 110 to 150 feet above the reservoir water surface and also because existing juniper-pinyon cover would provide considerable concealment, the proposed drilling equipment would not be nearly as open to viewing as was the drilling rig shown in the upper photograph on Photo Plate No. 5. Only the drilling mast and platform would be in conspicuous view during the drilling. Photo Plates No. 5 and 6 approximate what inquisitive individual would see should the site be visited during the drilling.

Oil and gas producing well facilities typical of the area and in close proximity to the reservoir are shown in Photo Plates No. 7, 8, and 9. Should proposed test No. 1-29C5 prove commercial, its production facilities would resemble those shown in Photo Plate No. 8. A reservoir user's access to view of production facilities located at the proposed site, however, would be very limited, and then only from selected spots within the reservoir. Creation of its pad would not create anywhere near the amount of cut, fill, and spoil bank as were generated for producer No. UTL-36, shown on Photo Plates No. 8 and 9.

Photo Plate No. 10 shows views of a formerly producing oil and gas well which was drilled and completed only 150 feet from the shore of Starvation Reservoir in January 22, 1972. The operator reported final abandonment and restoration of surface (including reseeding) for this hole on May 15, 1975. As of this writing final abandonment for this hole had not been approved by the Geological Survey. Obviously, a little knowledgeable replanting and a few years time would be needed to render this locality fully compatible with the areas natural scenic and use values.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. The trash pit would be utilized for any solid waste generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Subsurface Effects:

The leasable minerals known likely to be penetrated if the hole were drilled (oil shale, bitumen impregnated limestone, bedded sodium carbonate minerals, and wurtzelite) would be adequately protected by the proposed casing and cementing program. Fresh water aquifers may be encountered in the first few hundred feet and usable saline water to depths of about 800 or 1,000 feet.

Approval of the proposed action would be conditioned that adequate and sufficient electric, radioactive, density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the sandstone units of the Green River. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow-out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the District Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, and blow-out prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 5.8 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Erosion from the site could eventually be carried as sediment into Starvation Reservoir but this impact would be extremely slight compared to the current sedimentation rate into the reservoir. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines and support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations.

Minor distractions from aesthetics during the lifetime of the project would exist. The proposed drilling would be visible and audible to the reservoir user from many portions of the reservoir; a producing oil and gas well at this site, however, would be barely noticeable and then only to careful observer.

If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. The potential for pollution to Starvation Reservoir would exist through leaks and spills, but the hazard is judged to be extremely low. Water production with the gas would require disposal of produced water per the requirement of NLT-2B.

Alternatives to the Proposed Action:

(1) Not approving the proposed permit--The oil and gas lease grants the Lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the well site and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. At abandonment, rehabilitation of the area such as contouring reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) The only other alternative would be to deny the operator his rights under the federal oil and gas lease.

Controversial Issues:

The writers have not encountered any controversial issues during preparation of this analysis. No person interviewed, including persons administratively concerned with the area and persons found using the Starvation Reservoir, raised any objection to the proposal.

Determination

In my opinibn, the proposed action does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(c), and the environmental impacts of the proposed action are not likely to be highly controversial.

District Engineer

Date

I Concur

Area Supervisor

Date

I determine that preparation of an Environmental Impact Statement is not required.

Conservation Manager

Date

Source Materials

Geologic:

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Flora, Fauna, and Socio-economics:

Staff, Upper Colorado Regional Office, 1978, Uintah Unit, Central Utah Project, Utah: U.S. Bureau of Reclamation Draft Environmental Statement, 228 p.

Environmental Analysis, Principles:

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Manahan, S. E., 1972, Environmental Chemistry: Willard Grant Press, 393 p.

Staff, 1977, Environmental analysis procedures and guidelines--Onshore oil and gas operations: U.S. Geological Survey, 28 p.

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH
TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 14-20-H62-2393OPERATOR: UTEX OIL Co.WELL NO. 1-29CSLOCATION: 1/4 NE 1/4 NW 1/4 sec. 29, T. 3 S., R. 5 W., USB#MDUCHESNE County, UTAH

1. Operator predicted stratigraphy and predicted hydrocarbon zones are adequate? No
If not, USGS predictions are: Operator top for Wasatch is acceptable but top of Green River is likely to be much shallower. Holes in adjacent sections place Green River at 700-1500' depth.
2. Fresh water aquifers probable below surface casing? . See attached WRD Report.
3. Other probable leasable minerals? Yes . Oil shale and bituminous limestone are valuable prospectively. The richest oil shale beds lie in the Mahogany zone of the Green River fm, probably at a depth of about 2700'.
4. Are hazardous fluids or gases likely? Unknown - see #5.
5. Are abnormal conditions of pressure or temperature likely? Possible. MFS-Cedar Rim #2 in Sec 20, T. 3 S., R. 6 W., reported a blowout at a depth of 8471'.
6. Will any strata penetrated need special mud, casing, or cementing beyond that proposed in the APD? Unknown . Protect any fresh water aquifers.
7. Is additional logging or sampling needed? . Operator suite should be run through oil shale interval
8. References - remarks: USGS Files, Salt Lake City, Utah
Is location within 2 miles of a KGS? No.

Signature: T. R. A.Date: 7 / 17 / 78

BRINKERHOFF #32-1 SW SE Sec 32, T.33., R.5W, USM

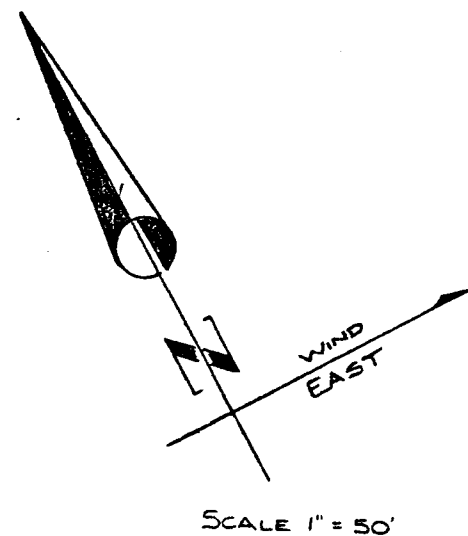
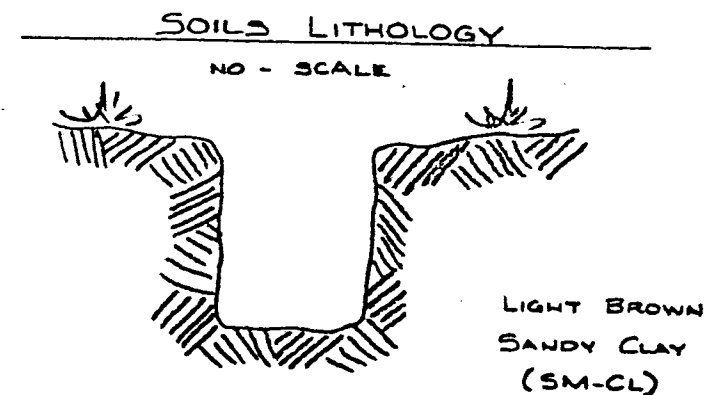
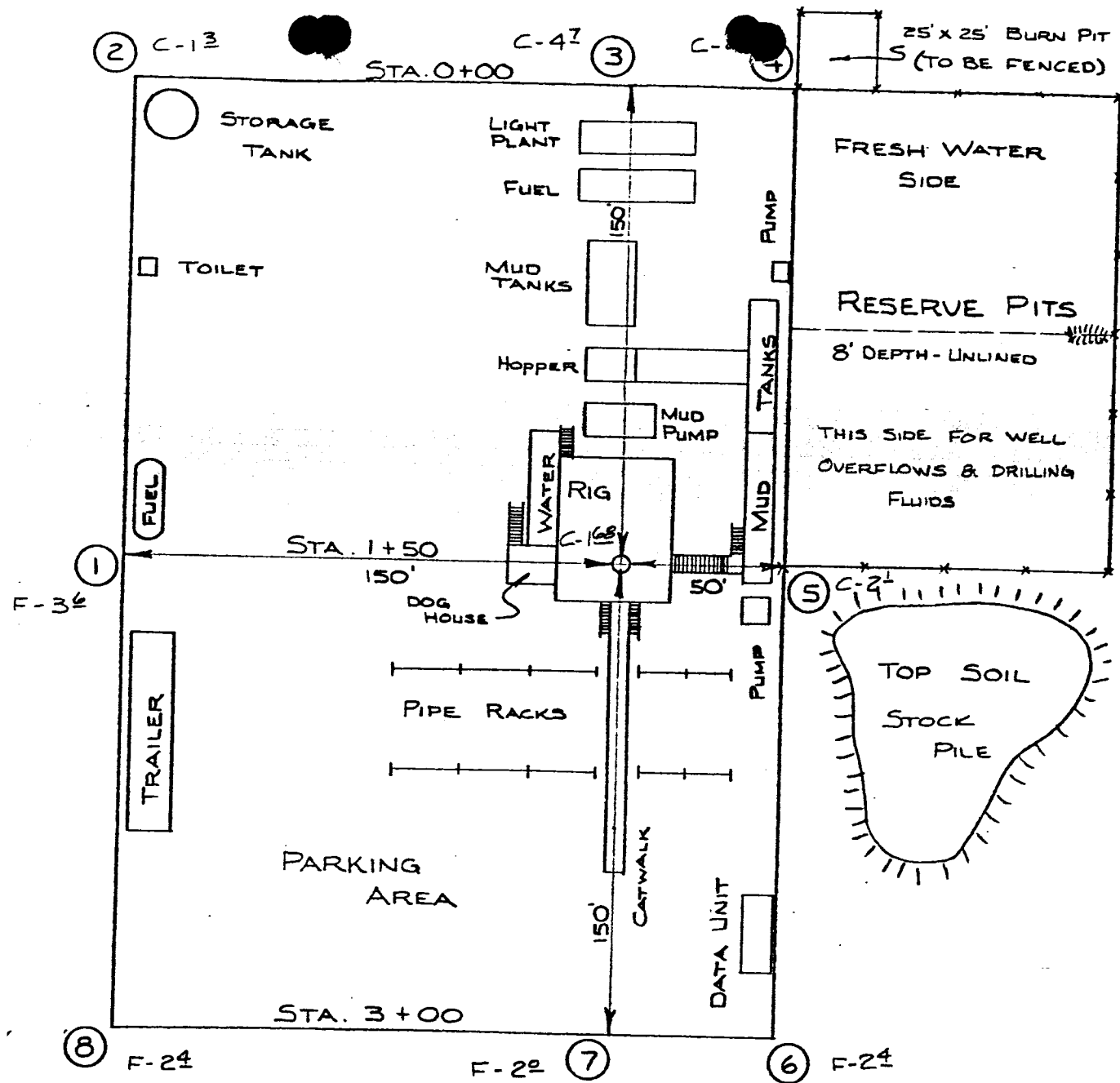
Brinkerhoff #32-1--continued

2. Fresh Water Sands--continued

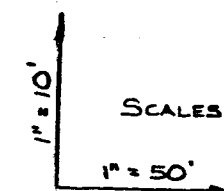
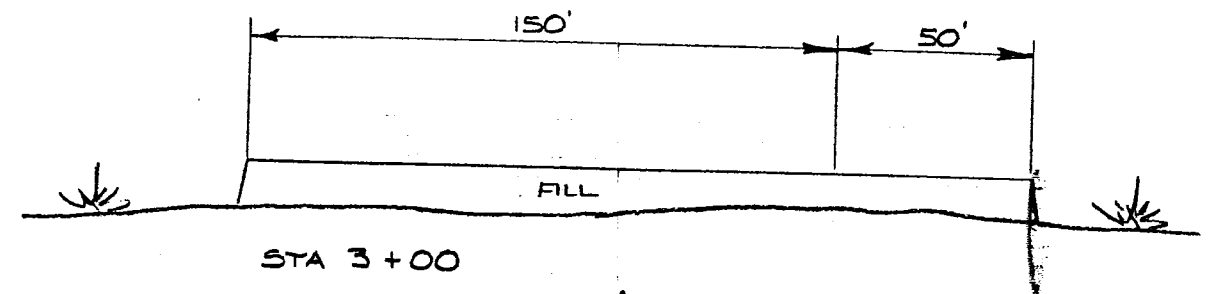
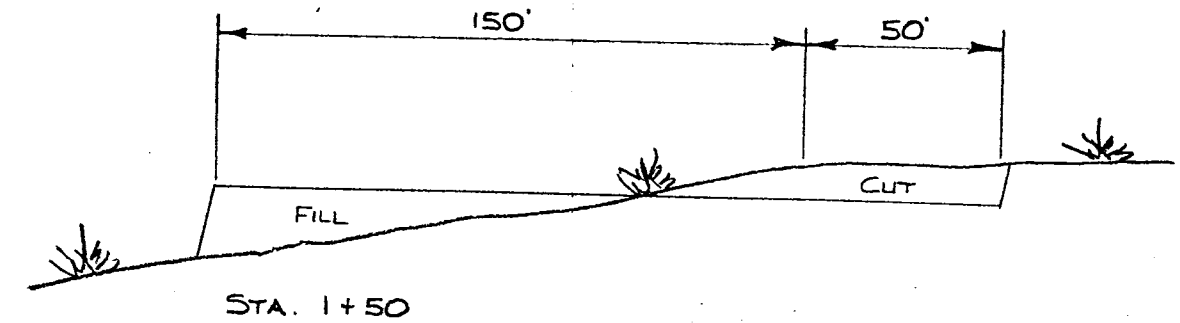
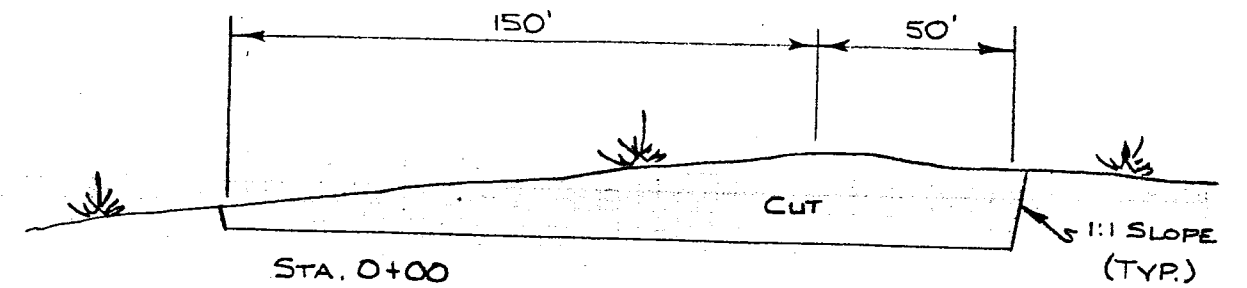
<u>"Stratigraphic units</u>	<u>Tops, approx.</u>	<u>Quality of water</u>
Uinta Formation	surface	Usable to about 900 ft/saline
Green River Formation	1,300 ft	Saline/brine (?)
Wasatch Formation	8,000 ft	Brine

Water wells in the vicinity do not exceed about 200 feet in depth. Usable water may be found as deep as 900 feet at this proposed test site, and deeper aquifers will yield saline water or brine."

WRD 9/21/71



KENNETH CHATTIN (UTEX OIL CO.)
 N° 1-29 C 5
 LOCATION LAYOUT SHEET



APPROX. YARDAGES

CUT 2,644 Cu. YDS.
 FILL 2,300 Cu. YDS.

1. Surface Formation: Tertiary Uinta Formation
2. Estimated tops of geologic markers:
 - 0 - 3550 Uinta Formation
 - 3550 Green River Formation
 - 7900 Wasatch Formation
3. Estimated depths to anticipated water, oil and gas or mineral bearing formations:
 - 0 - 3550 Uinta, Water bearing
 - 3550 - 7900 Green River, Oil & Gas
 - 7900 - T.D. Wasatch, Oil & Gas
4. Proposed casing program:

Size	Weight lb/ft	Grade
10 3/4"	40.5#	J-55
7 5/8"	29.7#	N-80
5 1/2"	26.0#	N-80
5. Pressure control equipment: See diagram.

Blowout preventer: A 10# Series 1500, 5,000 psi hydraulically operated, double ram type preventer with pipe and blind rams. Also a Hydril type preventer will be used.

Testing Procedure: Before drilling out casing, blowout preventers, casing head and casing will be pressure tested to 3,000 psi, and will be checked for proper operation each day.
6. Type and characteristics of proposed circulating medium:
 - 0 - 6000 drill with brine water
 - 6000 - T.D. Fresh gel mud

Approximately 400 bbls. of circulating fluid and adequate weighting material will be maintained at the surface.
7. Auxillary Equipment:

A Kelly cock will be used, float on bit optional with contractor, a mud logging unit is planned from 4,000 feet to total depth, and a full opening valve will be maintained on the rig floor.
8. Testing, Logging and Coring:

No cores or DST's planned, electric logs to include:
DIL w/SP, Gamma Ray & Compensated Neutron and Fracture Identification Log.
9. Anticipated Hazards:

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide is present in this area.
10. Anticipated starting date:

July 15, 1978, with duration of operations approximately 45 days.

KENNETH CHATTIN (UTEX OIL COMPANY)

13 Point Surface Use Plan

for

Well Location

No. 1-29 C 5

Located In

Section 29, T3S, R5W, U.S.B. & M.

Duchesne County, Utah

1. EXISTING ROADS

See attached Topographic Map "A", to reach the Kenneth Chattin (Utex Oil Company) well location, No. 1-29 C 5, located in the W 1/2 NE 1/4 Section 29, T3S, R5W, U.S.B.M. from Duchesne City, Utah.

Proceed Westerly out of Duchesne, Utah along U.S. Highway 40, 6.6 miles to the junction of this highway and a ramp to the old Highway 40 which is approximately 500' in length and runs in a Northerly direction to the aforesaid oil highway 40; proceed Easterly along the Old Highway 40 \pm 2000' to it's junction with an oil field surface road to the North; proceed Northerly along this road 0.9 miles to its junction with a road to the West; continue on Northerly along same road 0.6 miles to a point where the road forks take the right fork and proceed in a Northerly direction 3 miles to its junction with a road to the South; proceed Southeasterly along this road 1.9 miles to its junction with a road to the Southwest; proceed Southwesterly along this road 0-8 miles to an existing Gulf-Shell well location VODA 1-19 C 5 located in the NE 1/4 Section 19, T3S, R5W, U.S.B.M. and the beginning of the proposed access road to be discussed in item No. 2.

At the present time there is no major construction anticipated along any portion of the above described road.

The road will be maintained and kept at the necessary standards required for an orderly flow of traffic during the drilling, completion, and production activities of this location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item No. 1 in the NE 1/4 Section 19, T3S, R5W, U.S.B.M. and proceeds in a Southeasterly direction 1.0 miles to the proposed location site in the W 1/2 NE 1/4 Section 29, T3S, R5W, U.S.B.M.

The terrain this road traverses a generally broken, with areas of sandstone ledges and small canyons and washes with some areas being relatively flat, and is vegetated by sagebrush and grasses with some areas having juniper and pinion pine.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met.

This proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement to construction.

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

If deemed necessary by the local governmental agencies or their representatives turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a

PLANNED ACCESS ROAD - continued

distance of 50' in length at both the access and outlet end.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

There are drainages along this route that will require the installation of culverts, and sizes that will be required will be from an 18' C.M.P. to approximately a 48" C.M.P. to be determined and approved by the governmental agencies involved.

These culverts will be of a heavy enough gage and installed in such a manner that they will not impede the water flow under the normal meteorological conditions prevalent to this area and will facilitate the heavy traffic flow required.

3. LOCATION OF EXISTING WELLS

As shown in Topographic Map "B", there are other producing wells within a two mile radius of the proposed well site. (See location plat for placement of Kenneth Chattin (Utex Oil Company).

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

All petroleum production facilities are to be contained within the proposed location site. There are no other Kenneth Chattin (Utex Oil Company) flow, gathering, injection, or disposal lines within a one-mile radius of this location.

In the event production is established, plans for a gas flow line from this location to existing gathering lines or a main production line shall be submitted to the appropriate agencies for approval.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for this location will be taken from an existing loading dock on Starvation Reservoir in the S 1/2 of Section 16, T3S, R5W, U.S.B.M. 3.7 road miles East of the proposed location site.

If this water source is not available then the necessary arrangements will be made and all concerned parties will be notified.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravel or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

See location layout sheet.

A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' deep and at least one-half of this depth shall be below the surface of the existing ground.

One-half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife and domesticated animals.

At the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

The burn pits will be constructed and fenced on all four sides with a small mesh wire to prevent any flammable materials from escaping and creating a fire hazard.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The Ute Tribal District Manager, Federal and State Representatives, shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of covering.

As mentioned in Item #7, the reserve pit will be completely fenced and wire and overhead wire and flagging installed, it there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin within 90 days after completion of this well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the Ute Tribal District Manager, Federal and State Representatives, when the moisture content of the soil is adequate for germination. The less further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformation with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A").

The area is located in the Uintah Basin which is formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South with the Duchesne River flowing through the Basin floor, into the Green River.

The soils in this semi-arid area are of the Uinta Formation from the Eocene Epoch (Tertiary Period) and the Duchesne River formation Lower Eocene Epoch (Tertiary Period) and consists of light brownish gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels.

Outcrops of sandstone ledges and conglomerate deposits are common in this area.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The Duchesne River flows from the Northwest to the Southeast and is approximately three miles East of the location.

The Strawberry River drainage lies approximately 1.5 miles to the South of the location and drains to the East into Duchesne River which is a tributary of the Green River to the Southeast.

Due to the low precipitation average, climate conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi arid region we are located in, it consists of pinion pine, juniper trees, sagebrush, bitterbrush, rabbit brush some grasses and cacti.

Kenneth Chattin (Utex Oil Company)
No. 1-29 C 5
Section 29, T3S, R5W, U.S.B. & M.

OTHER INFORMATION - continued

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents.

The area is used by man for the primary purposes of grazing domesticated sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area (See Topographic Map "B").

Well location 1-29 C 5 sits on the top of a small hill approximately 2500' above Starvation Reservoir, which is fed by the Strawberry River.

The terrain in the immediate vicinity of the well site slopes from the top of the ridge to the Northwest, down through the location to the South at approximately a 4% grade to the edge of cliff and then falls steeply into the Starvation Reservoir which is fed by the Strawberry River.

All the washes and draws in the immediate area are of a non-perennial nature.

The Geologic Structure visible in the immediate area is of the Duchesne River formation and consist of a redish-brown sandy clay type topsoil.

The vegetation in the immediate area surrounding the location site is predominantly pinion pine, juniper trees, sagebrush, and grasses.

There are no occupied dwelling or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Kenneth Chattin
Utex Oil Company
4133 South 635 East
Salt Lake City, Utah 84107

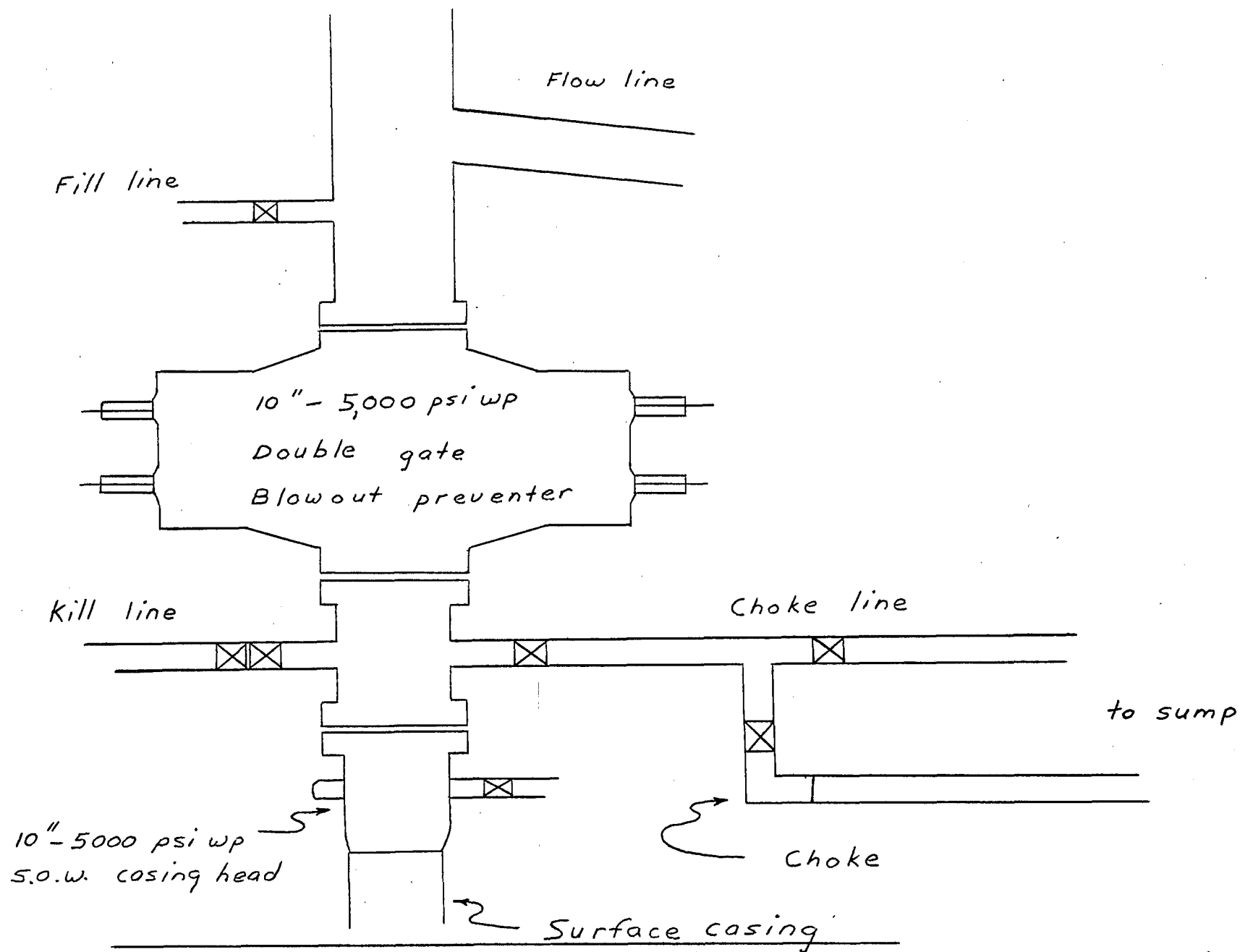
TELE: 1-801-262-6869

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by Kenneth Chattin (Utex Oil Company), and its contractor and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

June 19, 1978
Date


Kenneth Chattin



K. NORTH CHATTIN (UTEX OIL CO.)

Nº 1 - 29 C 5

TOPO.

MAP "A"

SCALE 1" = 4 MILES



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

C N¹/₂ Sec 29
Warrant Test

** FILE NOTATIONS **

Date: June 22, 1978

Operator: Utex O.I. Co.

Well No: Utex 1-29C5

Location: Sec. 29 T. 35 R. 5W County: Duchesne

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

API NUMBER: 6540000

CHECKED BY:

Administrative Assistant

Remarks:

Petroleum Engineer OK Pat -

Remarks:

Director

Remarks:

Topo. Exception
warranted
See Topo. Map "13"

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☒

Survey Plat Required: ☐

Order No. 139-8 ☒

Surface Casing Change ☐
to

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐

O.K. In Unit ☐

Other:

Topo. Exception

☒ Letter Written/Approved

June 22, 1978

U-Tex Oil Company
(Kenneth Chattin)
4133 South 635 East
Salt Lake City, Utah 84107

Re: Well No's:
Ute Tribal 1-21C5,
Sec. 21, T. 3 S, R. 5 W,
Ute Tribal 1-29C5,
Sec. 29, T. 3 S, R. 5 W,
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 139-8, topographic exception.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after spudding, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are:

#1-21C5: 43-013-30448

#1-29C5: 43-013-30449

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT, Director

November 17, 1978

MEMO TO FILE

Re: UTEX OIL COMPANY
Well No. 1-29C5
Sec. 29, T. 3S, R. 5W
Duchesne County, Utah

A telephone call was received on November 17, 1978 informing this office that the above well was spudded-in on November 16, 1978 at 1:45 p.m.

The drilling contractor was Chase Drilling and they used their Rig #1.

CLEON B. FEIGHT
DIRECTOR

CBF/lw
cc: U.S. Geological Survey
State Industrial Commission

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR

UTEX OIL COMPANY

3. ADDRESS OF OPERATOR

4133 South 635 East, Salt Lake City, Utah 84107

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1310' SNL, 2824' WEL

AT TOP PROD. INTERVAL:

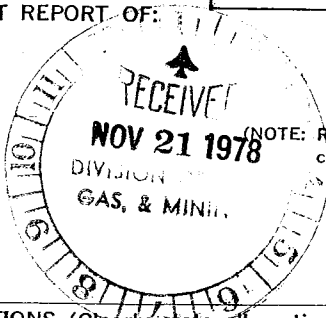
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) ☐

SUBSEQUENT REPORT OF:



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well spudded at 1:45 P.M. November 16, 1978.

Drilling Contractor - Chase Drilling Company

Rig No. 1

Drilling depth on November 18, 817 feet

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Secretary

DATE

November 18, 1978

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UTEX OIL COMPANY

SUITE 41B
4700 SOUTH 9TH EAST
SALT LAKE CITY, UTAH 84117
PHONE 801 - 262-6869

March 12, 1979

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

ATTENTION: CLEON FEIGHT

Dear Sir,

Enclosed are copies of the completion report for our 1-29C5 well, Section 29, T3S, R5W, Duchesne County, Utah.

If any further information is required, please advise.

Sincerely,



D.T. Hansen

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355

Release date: 10/2/79

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR UTEX OIL COMPANY							
3. ADDRESS OF OPERATOR Suite 41-B, 4700 South-9th East, Salt Lake City, Utah 84117							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1310' SNL, 2824' WEL At top prod. interval reported below At total depth							
14. PERMIT NO. 43-013-30449				DATE ISSUED 6-22-78			
15. DATE SPUDDED 11-16-78		16. DATE T.D. REACHED 1-6-79		17. DATE COMPL. (Ready to prod.) 3-2-79		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5830 GR	
20. TOTAL DEPTH, MD & TVD 9991'		21. PLUG, BACK T.D., MD & TVD 9864'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8640-9288						19. ELEV. CASING HEAD No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, SP, GR, Neutron						27. WAS WELL COBED No	
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
10 3/4"		40.5		1007		14 3/4	
7 5/8		26.4 -29.7		8250		9 7/8	
						500 sx Lite, 150 sx Class	
						225 sx Halliburton Lite	
						Tail in w/100 sx Class "H"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
5 1/2		8175		9989		310 Class H	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 7/8		8160		8160			
2 3/8		7000					
31. PERFORATION RECORD (Interval, size and number) 9280-88 , 9264-74, 8914-28, 8653-57 8640-45				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
8640-9288				13,050 gals. 28% HCL and 21,750 gals. water			
33.* PRODUCTION							
DATE FIRST PRODUCTION 3-2-79		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3-2-79		HOURS TESTED 12		CHOKE SIZE 16		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 2200#		CASING PRESSURE 0		CALCULATED 24-HOUR RATE →		OIL—BBL. 1,320	
						GAS—MCF. 1,980	
						WATER—BBL. 0	
						OIL GRAVITY-API (CORR.) 49	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared (to be sold to Koch Oil Co.)						TEST WITNESSED BY D. Baucum	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Robert C. [Signature]		TITLE Geologist				DATE 3-12-79	

*(See Instructions and Spaces for Additional Data on Reverse Side)

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. — Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: For each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 30: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 31: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 32: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

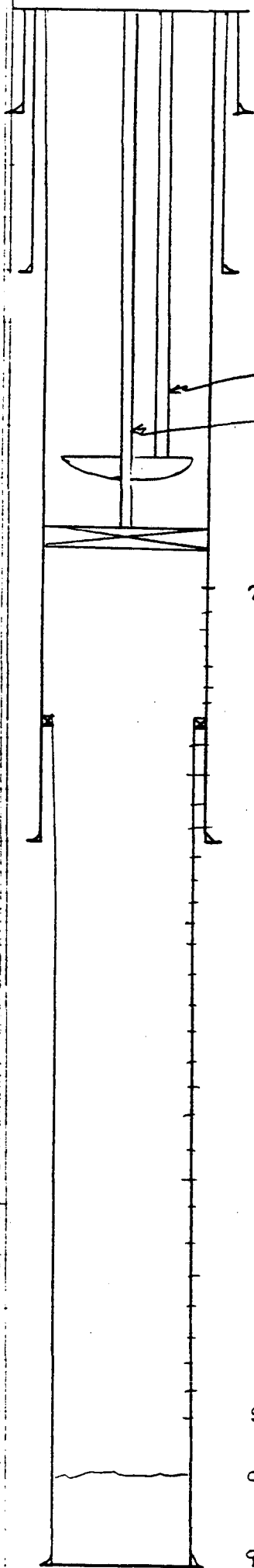
37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING SHUT-IN PRESSURES, AND RECOVERIES
GROSS AVERAGE PERCENTAGE USED TIME TOOL OPEN FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Top of Wasatch	7823		<p>UTEX OIL COMPANY</p> <p>1310' SHL. 2834' TEL</p> <p>64408-010-04</p>			

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-683636

GP 0 870-4011

UTE 1-29C5



1007' 10 3/4", 40.5", K-55
cmt'd w/ 650 SX

2 3/8"

2 7/8"

SPILL TUBE ASSEMBLY

7752' BAKER LOKSET

7824' TDP PERFORATION

8175' TOP OF 5 1/2"

8250' 7 5/8", 26.4", 29.7", N-80
cmt'd w/ 225 SX

PERFORATIONS :

7824'- 9750'

258 NET FEET, 621 PERFORATIONS

9750' BOTTOM PERFORATION

9861' PBTD 10/31/84

9989' 5 1/2", 17", P-110
cmt'd w/ 310 SX

3/4/86
CAB

UTEX OIL COMPANY

SUITE 41B
4700 SOUTH 9TH EAST
SALT LAKE CITY, UTAH 84117
PHONE 801 - 262-6869

March 14, 1979

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah
84116

ATTENTION: SHERI WILCOX

Dear Sheri,

Reference is made to our telephone conversation this date. We hereby request that all information relative to our 1-29C5 well, Section 29, T3S, R5W, Duchesne County, Utah, be held confidential until further notice.

Thank you.

Sincerely,

D.T. Hansen
D.T. Hansen



UTEX OIL COMPANY

SUITE 41B
4700 SOUTH 9TH EAST
SALT LAKE CITY, UTAH 84117
PHONE 801 - 262-6869

May 21, 1979

STATE OF UTAH
Division Of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116



Re: Ute Tribal 29-1, Section 29,
T3S, R4W, Duchesne County, Utah

~~CONFIDENTIAL~~

Gentlemen;

Enclosed are triplicate copies of Sundry Notice relative to a workover on the captioned well. Your rapid approval of this program would be appreciated, since we will have a rig available in the next few days.

If I can be of further assistance, please advise.

Thank you,

D. T. Hansen
D. T. Hansen

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-462-610
2. NAME OF OPERATOR UTEX OIL COMPANY (Kenneth Chattin)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE
3. ADDRESS OF OPERATOR Suite 41-B, 4700 S., 9th E., Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME NA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2074'FNL, 2155' FWL, Section 29, T3S, R4W Duchesne County, Utah		8. FARM OR LEASE NAME NA
14. PERMIT NO. 40-013-30087		9. WELL NO. Ute Tribal 29-1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5639' KB		10. FIELD AND POOL, OR WILDCAT Blue Bench
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T3S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☒

REPAIR WELL ☐

(Other) Change zones

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Squeeze present perforations 8816'-8845'.
Drill out bridge plug at 8850'
Clean out hole to TD-9315'
Run 5" N-80 Liner and cement
Log and perforate interval 9220-9236'
Stimulate and put back on production.

CONFIDENTIAL

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 5-24-79

BY: *M. J. Minder*

18. I hereby certify that the foregoing is true and correct

SIGNED *W. J. Hansen*

TITLE *Secretary Treasurer*

DATE May 21, 1979

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

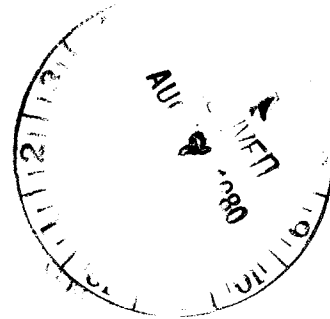
CONDITIONS OF APPROVAL, IF ANY:

UTEX OIL COMPANY

SUITE 41B
4700 SOUTH 9TH EAST
SALT LAKE CITY, UTAH 84117
PHONE 801 - 262-6869

033157

State of Utah
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84115



Gentlemen:

We note that on the State reports published that our 1-29C5 well is listed as a Page Petroleum well. Please be advised that Page has no interest whatever in this well and we would appreciate having your records changed to Utex as owner and operator.

35 500 Sec 29
13 - 013 - 301/49

Thank you,

D. T. Hansen
D. T. Hansen

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THE STATE
(Other instructions on re-
verse side)

EXPIRES August 31, 1987

5. LEASE DESIGNATION AND SERIAL NO
14-20-H62-2393

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Tribal

9. WELL NO.
1-29C5

10. FIELD AND POOL, OR WILDCAT
Altamont/Bluebell

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
Sec. 29, T3S, R5W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Utex Oil Company

3. ADDRESS OF OPERATOR
1245 E. Brickyard Rd. Ste. 600, Salt Lake City, Utah 84106

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1,310' FNL; 2,824' FWL

14. PERMIT NO.
43-013-30449

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
5,830' GL; 5,844' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

XX

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Utex plans to plug and abandon this well as per the attached procedure.

Reseeding will be done by October 31, 1986.

RECEIVED
MAR 10 1986

DIVISION OF
OIL, GAS & MINING

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

C. Z. Bucher

TITLE

Production Engineer

DATE

3/6/86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Federal approval of this action
is required before commencing
operations.

*See Instructions on Reverse Side

DATE: 3-13-86
BY: John R. Bays

PLUG & ABANDONMENT PROCEDURE

UTE 1-29C5

WELL DATA

Elevations: 5,844' KB; 5,830' GL

Depths: 9,991' TD; 9,861' PBD (10/31/84)

Casing: 10-3/4", 40.5#, K-55 @ 1,007'
Cemented with 650 sx
7-5/8", 26.4# & 29.7#, N-80 @ 8,250'
Cemented with 225 sx
5 1/2", 17#, P-110 @ 8,175' - 9,989'
Cemented with 310 sx

Tubing: 2-7/8", 6.5#, N-80, NuLok
2-3/8", 4.7#, N-80, DSS-HT & NuLok

Packer: Baker 7-5/8", 26# LOK-SET @ 7,752'

Perforations: 7,824' - 9,750', 258' net, 621 shots

PROCEDURE

1. Flow well for three days to release any pressure.
2. Move in, rig up service unit. Nipple down wellhead. Nipple up B.O.P. Pull out of hole with 2-3/8" tubing. Change out rig equipment. Pull out of hole with 2-7/8" tubing and packer.
3. Round trip mill to 7,700' if necessary. (If packer was hard to get out.)
4. Run in hole with cement retainer, set at 7,700'. Run in hole with tubing, sting into retainer.
5. Establish pump rate with water. Pump 342 cubic feet cement below retainer, unsting, spot 26 cubic feet on top of retainer (about 100 feet).
6. Pull out of hole 10 stands, circulate 100 barrels water to clear tubing of cement. Shut-in well. Wait on cement.

Plug and Abandonment Procedure
Ute 1-29C5
March 6, 1986
Page -2

7. Run in hole, tag cement, pressure test to 1,000#. Pull out of hole, displace with mud to 1,000'.
8. Run in hole with squeeze gun, perforate 4 shots @ 1,100'.
9. Try to establish rate down 7-5/8" and back out 10-3/4". If rate is established, pump 369 sacks cement down tubing, pump 24 barrels 10 ppg mud followed by 79 sacks cement. (Should put cement to surface in annulus, 300' cement at casing shoe in 7-5/8" and 300' cement at the surface in 7-5/8".)
10. If circulation cannot be established down 7-5/8":
 - a. Pump 369 sacks cement down 10-3/4" - 7-5/8" annulus.
 - b. Run in hole with tubing and displace with mud to 300'. Spot 79 sacks (300') at surface in 7-5/8".
11. Cut off casing. Cement in place plug and abandonment marker.
12. Rehabilitate and reseed location.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other Instructions on Reverse Side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-2393

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Tribal

9. WELL NO.

1-29C5

10. FIELD AND POOL, OR WILDCAT

Altamont/Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 29, T3S, R5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

UTEX OIL COMPANY

3. ADDRESS OF OPERATOR

1245 E. Brickyard Rd., Ste. 600, Salt Lake City, Utah 84106

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1,310' FNL 2,824' FWL

14. PERMIT NO.

43-013-30449

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,830' GL; 5,844' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Utex has changed previous plans to plug and abandon the above well.

During March 1986, the pump was shut-down on this well. Valves to the gas sales line were left open. Production was 2,093 MCF. The well will be flowed for gas production, with occasional pumping to unload wellbore fluids.

RECEIVED

JUN 17 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

C. L. Bucher

TITLE Production Engineer

DATE 6/16/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
CA 9C-200

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute

7. LEASE AGREEMENT NAME

8. FARM OR LEASE NAME
Ute Tribal

9. WELL NO.
1-29C5

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., R., N., OR S.E. AND
SUBVY OR AREA

Section 29, T3S-R5W

12. COUNTY OR PARISH 13. STATE
Duchesne Utah

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☒ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR
ANR Production Company

3. ADDRESS OF OPERATOR
P.O. Box 749, Denver, CO 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1310' FNL & 2624' FEL

14. PERMIT NO.
43-013-30449

15. ELEVATIONS (Show whether SP, RT, GR, etc.)
5830' GR

RECEIVED JUN 27 1988
DIVISION OF OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) Change of Operator ☒

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective April 1, 1988 ANR Production Company took over operations on the above-referenced well from Utex Oil Company.

OIL AND GAS

DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-MICROFILM	✓
3-FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED

Eileen Danni Dey

TITLE Regulatory Analyst

DATE June 24, 1988

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. CA 9C-200	
2. NAME OF OPERATOR ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute	
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, CO 80201-0749		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1310' FNL & 2624' FEL Section 29		8. FARM OR LEASE NAME Ute Tribal	
14. PERMIT NO. 43-013-30449		9. WELL NO. 1-29C5	
15. ELEVATIONS (Show whether SF, ST, GR, etc.) 5830' GR		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., N., OR E.E. AND SURVEY OR AREA Section 29, T3S, R5W	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Workover

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached intended plans to workover the above referenced well.

OIL AND GAS	
DRN	RJF
1- JRB ✓	GLH
DTS	SLS
2- TAS	
3- MICROFILM ✓	
4- FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED

Brenda W. Swank

TITLE Regulatory Analyst

DATE 8/28/89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 9-14-89

By John R. Baya

Federal approval of this action
is required before commencing
operations.

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WORKOVER PROCEDURE

Ute Tribal 1-29C5
Section 29, T3S, R5W
Duchesne County, Utah

RECEIVED
AUG 30 1989
DIVISION OF
OIL, GAS & MINING

WELL DATA

Location: 2824' FEL & 1310' FNL
Elevation: 5844' KB, 5830' GL
Total Depth: 9990' PBTD: 9861'
Casing: 10-3/4", 40.5#, K-55 set @ 1007'
7-5/8", 26.4# & 29.7#, N-80 set @ 8250'
5-1/2", 17#, P-110 set 8175'-9989'
Tubing: 2-7/8", 6.5#, N-80, IJ Nulok @ 7668'
2-3/8", 4.7#, N-80, IJ Nulok @ 7668'

Tubular Data:

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> (B/F)	<u>Burst</u> (psi)	<u>Collapse</u> (psi)
7-5/8" 26# N-80	6.969"	6.844"	0.0471	6020	3400
7-5/8" 29.7# N-80	6.875"	6.750"	0.0459	6890	4790
5-1/2" 17# P-110	4.892"	4.767"	0.0232	10640	7460
2-7/8" 6.5# N-80	2.441"	2.347"	0.00579	10570	11160

Present Status: Producing 2 days per month to hold the lease.

PROCEDURE

1. MIRU service rig. ND wellhead and BOP. POOH w/prod. tbg, pump cavity & pkr.
2. Clean out well to PBTD.
3. Perforate Wasatch and Lower Green River with 3 SPF using 4" casing gun as per attached schedule.
4. PU 7-5/8" pkr on 3-1/2" tbg & TIH. Set pkr @ +/-7700'.
5. Acidize perforations 7824-9823' w/24,000 gals 15% HCl w/1200 1.1 ball sealers and other additives.
 - A. Precede acid with 250 bbls water with 10 gallons per 1000 scale inhibitor and 500 gal Xylene.
 - B. All water to contain 3% KCl.
 - C. Acidize in 6 stages of 4000 gals each with diverter stages of 1000 gals gelled saltwater with 1/2#/gal each of Benzoic acid flakes and rock salt.
 - D. Acid to be tagged with followup log to determine diversion.
 - E. Acid to be pumped down 3-1/2" tubing at highest rate possible @ 8000 psi maximum.
6. Flow back acid immediately following pumping.
7. Unseat pkr and POOH with tubing and packer. Rerun production equipment.
8. Return well to production.

RECEIVED
AUG 30 1989

Tribal #1-29C5
NW/NE Section 29, T3S-R5W
Duchesne County, Utah

DIVISION OF
OIL, GAS & MINING

Proposed infill perforations, Wasatch and lower Green River Formations.

Reference Log: Schlumberger DIL, Run 1 dated 12-18-78 and Run 2 dated 1-6-78.

7837	8305	8915	9543
43	42	26	88
49	46	73	
72	66	79	9686
		85	90
7973	8438	88	
	50		
	62		9723
8034	85	9315	45
88		37	62
	8542	40	76
8160		53	86
69	8618	69	
78	43	87	9809
84	55		23
92		9401	
	8760	91	
8203			

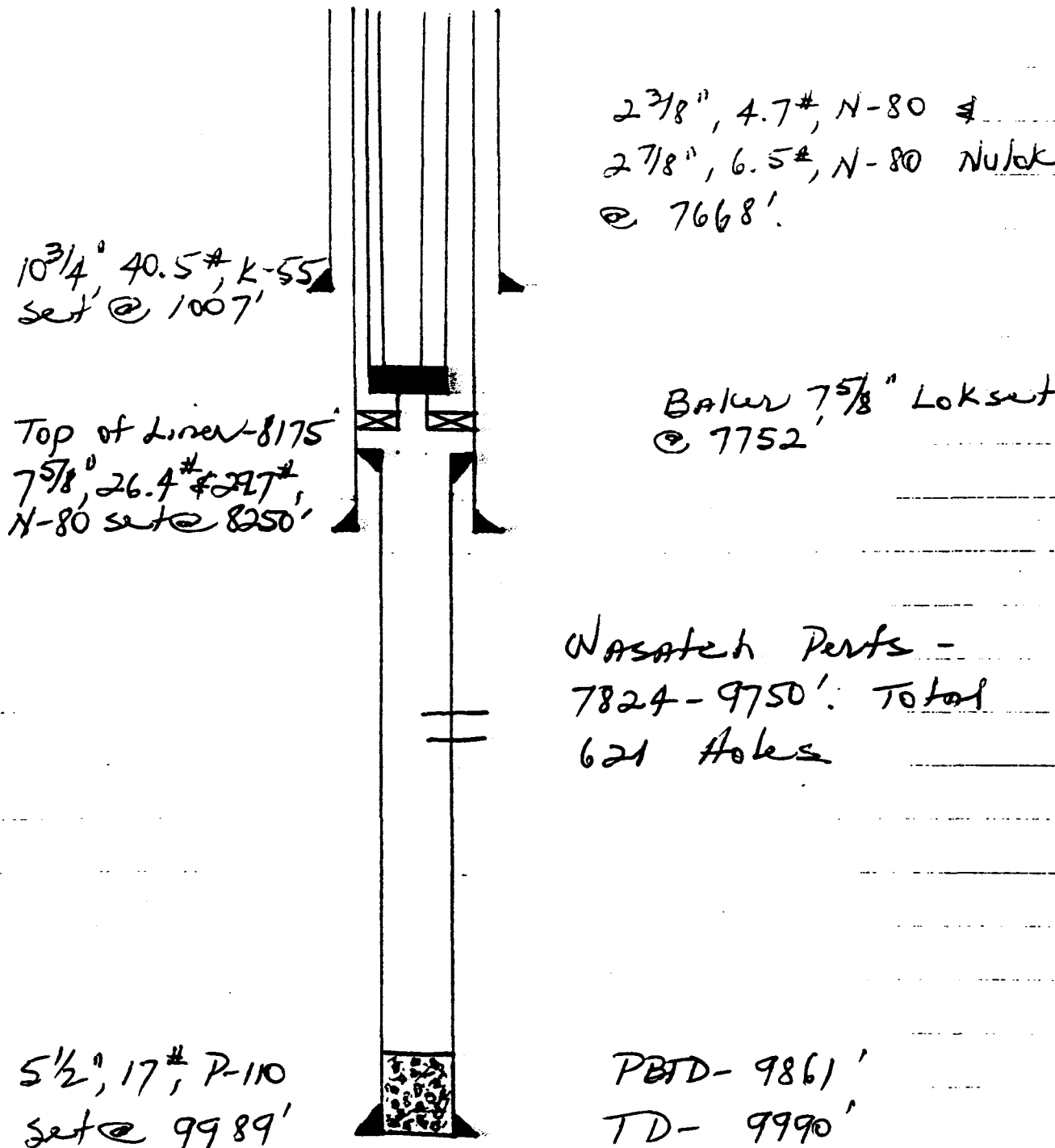
Totals: 43 zones, 51 feet

W. Cole
October 20, 1988

Ute Tribal 1-29C5
Section 29, T2S, R5W
Altamont Field
Duchesne County, Utah

RECEIVED
AUG 30 1989

DIVISION OF
OIL, GAS & MINING



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute
2. NAME OF OPERATOR ANR Production Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		8. FARM OR LEASE NAME Ute Tribal
4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side. See also space 17 below.) At surface 1310' ENL & 2624' FEL Section 29		9. WELL NO. 1-29C5
14. PERMIT NO. 43-013-30449		10. FIELD AND POOL, OR WILDCAT Altamont
15. ELEVATIONS (Show whether on, in, or near) 5,830' GR		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Section 29, T3S-R5W
DIVISION OF OIL, GAS & MINING		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached chronological report to perforate and acidize the above referenced well.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-	MICROFILM
3-	FILE

18. I hereby certify that the foregoing is true and correct

SIGNED

Timothy J. Sciba

TITLE

Manager Administration

DATE

January 2, 1990

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See instructions on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 1

UTE TRIBAL #1-29C5 (CO, PERF & ACDZ)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 26.402421% ANR AFE: 62841
TD: 9990'
CSG: 5-1/2" LINER @ 8175'-9989'
PERFS: 7824'-9750' (WASATCH)
CWC(M\$): \$93.0

11/1-2/89 POOH w/tbg. MIRU. POOH w/2-3/8" tbg & LD bent stinger. Start POOH w/2-7/8" tbg.
DC: \$3,667 TC: \$3,667

11/3/89 CO 5-1/2" liner. Pmp dwn csg w/30 BW. POOH w/cavity, PBGA & pkr on 2-7/8" tbg. RIH w/7-5/8" csg scraper to LT. POOH. RIH w/4-3/4" mill & CO tools on 2-3/8" x 2-7/8" tbg to 8175'.
DC: \$2,788 TC: \$6,455

11/6/89 Prep to perf Wasatch. SITP 500#. RIH w/4-3/4" mill & CO tools on 2-3/8" x 2-7/8" tbg to 9884'. Pmp 50 BW dwn tbg. POOH w/BHA. Last std full of drlg mud. RIH with GR/CCL log from 9813' to 7500'.
DC: \$6,702 TC: \$13,157

11/7/89 Prep to acdz Wasatch & Lower Green River forms. Tag fill @ 9803'. Perf Wasatch & L.G.R. forms from 9786' to 7837' (49 zones) w/4" csg gun, 3 SPF, 120° phasing. FL @ 5400'. Start RIH w/7-5/8" pkr on 3-1/2" tbg.
DC: \$9,038 TC: \$22,195

11/8/89 Swab back load volume. Fin RIH w/7-5/8" pkr on 3-1/2" tbg. Set pkr @ 7702'. Press tst csg to 2000#. OK. Acdz Wasatch & LGR perfs w/500 gals xylene & 24,000 gals 15% HCl w/add & 1200 l.l B.S. + diverters. MTP = 7600#, MIR = 30 BPM, ISIP = 1800#, 15 min = 100#. 1057 BLWTBR. Fair diversion. RU swab equip.
DC: \$60,947 TC: \$83,142

11/9/89 Run prism log. SITP 500#. Swbd 12 runs. IFL @ 5000'. Rec'd 55 BLW. Tr of oil. Making gas. FFL @ 5500'. 1002 BLWTR.
DC: \$3,815 TC: \$86,957

11/10/89 POOH w/wk string. RIH w/prism log. Tag fill @ 9802'. Log from 7600' to 9800'. POOH & LD 3-1/2" tbg.
DC: \$8,920 TC: \$95,877

11/13/89 RIH w/hyd pmp equip. SITP 650#. Pmp 75 BW dwn csg & tbg. POOH w/7-5/8" pkr on 3-1/2" tbg. RIH w/7-5/8" pkr, 4-1/2" PBGA & hyd pmp cavity on 2-7/8" tbg hydrotstg to 8000#.
DC: \$3,750 TC: \$99,627

11/14/89 Set pkr. SITP 100#. Cont RIH w/7-5/8" pkr on 2-7/8" tbg hydrotstg to 6500#. Attempt to set pkr. Pmp 50 BW dwn tbg. Unable to set pkr.
DC: \$3,453 TC: \$103,080

11/15/89 Place well on hyd pmp prod. Pmpd 100 BW dwn tbg. Set 7-5/8" pkr @ 7749'. RIH w/stinger on 2-3/8" tbg. ND BOPS. Land 2-7/8" tbg w/30,000# tension. NU WH. Drop S.V. Press tst tbg to 3500#. OK. RDSU.
DC: \$9,507 TC: \$112,587

11/16/89 Pmpd 5 BO, 269 BW, 178 MCF/21 hrs.

11/17/89 Pmpd 10 BO, 75 BW, 178 MCF.

11/18/89 Pmpd 29 BO, 223 BW, 140 MCF.

11/19/89 Pmpd 23 BO, 247 BW, 112 MCF.

11/20/89 Pmpd 18 BO, 252 BW, 112 MCF.

11/21/89 Pmpd 15 BO, 218 BW, 78 MCF.

11/22/89 Pmpd 24 BO, 243 BW, 95 MCF.

Before on hyd pmp avg'd: 23 BOPD, 147 BWPD, 56 MCFPD. Final report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of well
☐ Oil ☐ Gas ☐ Well ☐ Other

1. Name of Operator

ANR Production Company

2. Address and Telephone No.

P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

3. Location of well (Footage, sec., T., R., M., or Survey Description)

1310' FNL & 2624' FEL
Section 29, T3S-R5W

Ute

7. If Unit or C.A. Agreement Agreement

9C200

8. Well Name and No.

Ute #1-29C5

9. API Well No.

43-013-30449

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recommendation
☐ Plugging back
☐ Casing Repair
☐ Altering Casing
☒ Other NTL2B Application
Produced Water

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report required on all operations on well
Completion or abandonment down and log term.)

13. Describe proposed or completed operations clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and bearings and true vertical depths for all markers and zones pertinent to this work.

ANR Production Company hereby requests permission to dispose of produced water from the above referenced well under NTL-2B, Disposal of Produced Water. The produced water from the Ute #1-29C5 flows into a steel tank equipped w/a high level float switch which shuts the well in if the tank becomes overloaded. The water is then hauled off by truck and disposed of in the state approved Hanson Mitchell (GRAND) Disposal Pit, Section 2, T3S-R4W, Duchesne County, Utah, or injected into ANR's SWD facilities. These facilities consist of the following five state approved SWD wells:

LDS Church #2-27B5
Shell #2-27A4
Lakefork #2-23B4
Ehrich #2-11B5
Hanson #2-4B3

Sec. 27, T2S-R5W, Duchesne County, Utah
Sec. 27, T1S-R4W, Duchesne County, Utah
Sec. 23, T2S-R4W, Duchesne County, Utah
Sec. 11, T2S-R5W, Duchesne County, Utah
Sec. 4, T2S-R3W, Duchesne County, Utah

Accepted by the State
of Utah Division of
Oil, Gas and Mining

14. I hereby certify that the foregoing is true and correct.

Signed

Eileen Danni Day

Title

Regulatory

Date

2-14-91 2-7-91

This space for Federal or State Office Use

By: *[Signature]*

Approved by

Conditions of approval: *Federal Approval of this Action is Necessary*

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

FEB 07 1991

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, Colorado 80201-0749

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached list

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See attached list

9. API Well No.

43-013-

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other NTL-2B Extension

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ANR Production Company, as operator of 19 BLM regulated emergency pits in the Altamont/Bluebell field, (see attached list) respectfully requests an extension for the NTL-2B application dated February 23, 1990. This application requested a variance to NTL-2B Section VI, "Temporary Use of Surface Pits."

ANR's intention was to recover waste fluid from these pits, clean up crude contaminated soils, recontour the emergency pits and then install 500 BBL steel capture vessels for emergency fluids.

ANR has removed the waste fluid from these pits, but we are currently evaluating the most effective method of pit cleanup. After this is accomplished the 500 BBL steel capture vessels will be installed. We will keep you apprised of our status on these emergency pits.

We apologize for our delay in completing this project, however the costs and complexity of proper reclamation has required more time than anticipated. Thank you for your patience and understanding on this matter.

**Accepted by the State
of Utah Division of
Oil, Gas and Mining**

14. I hereby certify that the foregoing is true and correct.

Signed

Eileen Damm

Title Regulatory Analyst

(This space for Federal or State office use)

Approved by

Federal Approval of this
Action is Necessary

Title

Date:

By:

Date

<u>WELL NAME</u>	<u>WELL LOCATION</u>	<u>LEASE #</u>	<u>CA #</u>	<u>API #43-013</u>	<u>TRIBE NAME</u>
Ute #1-35A3	Sec. 35, T1S-R3W	14-20-H62-1802	N/A	30181	Ute
Ute #1-6B2	Sec. 6, T2S-R2W	14-20-H62-1807	N/A	30349	Ute
Ute Tribal #2-33Z2	Sec. 33, T1N-R2W	14-20-H62-1703	9C140	31111	Ute
Ute Tribal #1-33Z2	Sec. 33, T1N-R2W	14-20-H62-1703A	9C140	30334	Ute
Ute #1-34A4	Sec. 34, T1S-R4W	14-20-H62-1774	9640	300756	Ute
Ute #1-36A4	Sec. 36, T1S-R4W	14-20-H62-1793	9642	30069	Ute
Ute #1-20B5	Sec. 20, T2S-R5W	14-20-H62-2507	9C000143	30376	Ute
Ute #1-21C5	Sec. 21, T3S-R5W	14-20-H62-4123	UTO80I49-86C699	30448	Ute
Ute Tribal #1-28B4	Sec. 28, T2S-R4W	14-20-H62-1745	9681	30242	Ute
Monsen #1-27A3	Sec. 27, T1S-R3W	UTU-0141455	NW581	30145	N/A
Ute #2-31A2	Sec. 31, T1S-R2W	14-20-H62-1801	N/A	31139	Ute
Ute Tribal #1-31Z2	Sec. 31, T1N-R2W	14-20-H62-1801	N/A	30278	Ute
Evans #2-19B3	Sec. 19, T2S-R3W	14-20-H62-1734	9678	31113	Ute
Ute Jenks #2-1B4	Sec. 1, T2S-R4W	14-20-H62-1782	N/A	31197	Uintah & Ouray
Ute #1-1B4	Sec. 1, T2S-R4W	14-20-H62-1798	9649	30129	Ute
Murdock #2-34B5	Sec. 34, T2S-R5W	14-20-H62-2511	9685	31132	Ute
Ute #1-25B6	Sec. 25, T2S-R6W	14-20-H62-2529	N/A	30439	Ute
Ute Tribal #1-29C5	Sec. 29, T3S-R5W	14-20-H62-2393	9C200	30449 <i>for</i>	Ute
Ute #2-22B5	Sec. 22, T2S-R5W	14-20-H62-2509	N/A	31122	Ute

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

1420-H62-2393

6. If Indian, Allottee or Tribe Name

Ute Tribe

7. If Unit or CA, Agreement Designation

CA #9C200

8. Well Name and No.

Ute Tribal 1-29C5

9. API Well No.

43-013-30449

10. Field and Pool, or Exploratory Area

Altamont

11. Country or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1310' FNL & 2624' FEL
Section 29, T3S-R5W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to plug and abandon the above-referenced well.

RECEIVED

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APR 29 1991

DATE: 5-2-91
BY: J. Matthews

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed

[Signature]

Title Regulatory Analyst

Date 4/18/91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

PLUG & ABANDONMENT

UTE TRIBAL #1-29C5

SECTION 29, T3S, R5W
DUCHESNE COUNTY, UTAH

APRIL 16, 1991

WELL DATA

Location: 2824' FEL, 1310' FNL
Elevation: 5844' KB, 5830' GL
TD: 9990'
PBSD: 9861'
Casing: 10-3/4", 40.5#, K-55 set @ 1007'
7-5/8", 26.4# & 29.7#, N-80 set @ 8250'
5-1/2", 17#, P-110 set @ 8175'-9989'
Tubing: 2-7/8", 6.5#, N-80, IJ Nulok @ 7668'
2-3/8", 4.7#, N-80, IJ Nulok @ 7668'

Tubular Data:

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> (B/F)	<u>Burst</u> (psi)	<u>Collapse</u> (psi)
7-5/8" 26# N-80	6.969"	6.844"	0.0471	6020	3400
7-5/8" 29.7# N-80	6.875"	6.750"	0.0459	6890	4790
5-1/2" 17# P-110	4.892"	4.767"	0.0232	10640	7460
2-7/8" 6.5# N-80	2.441"	2.347"	0.00579	10570	11160

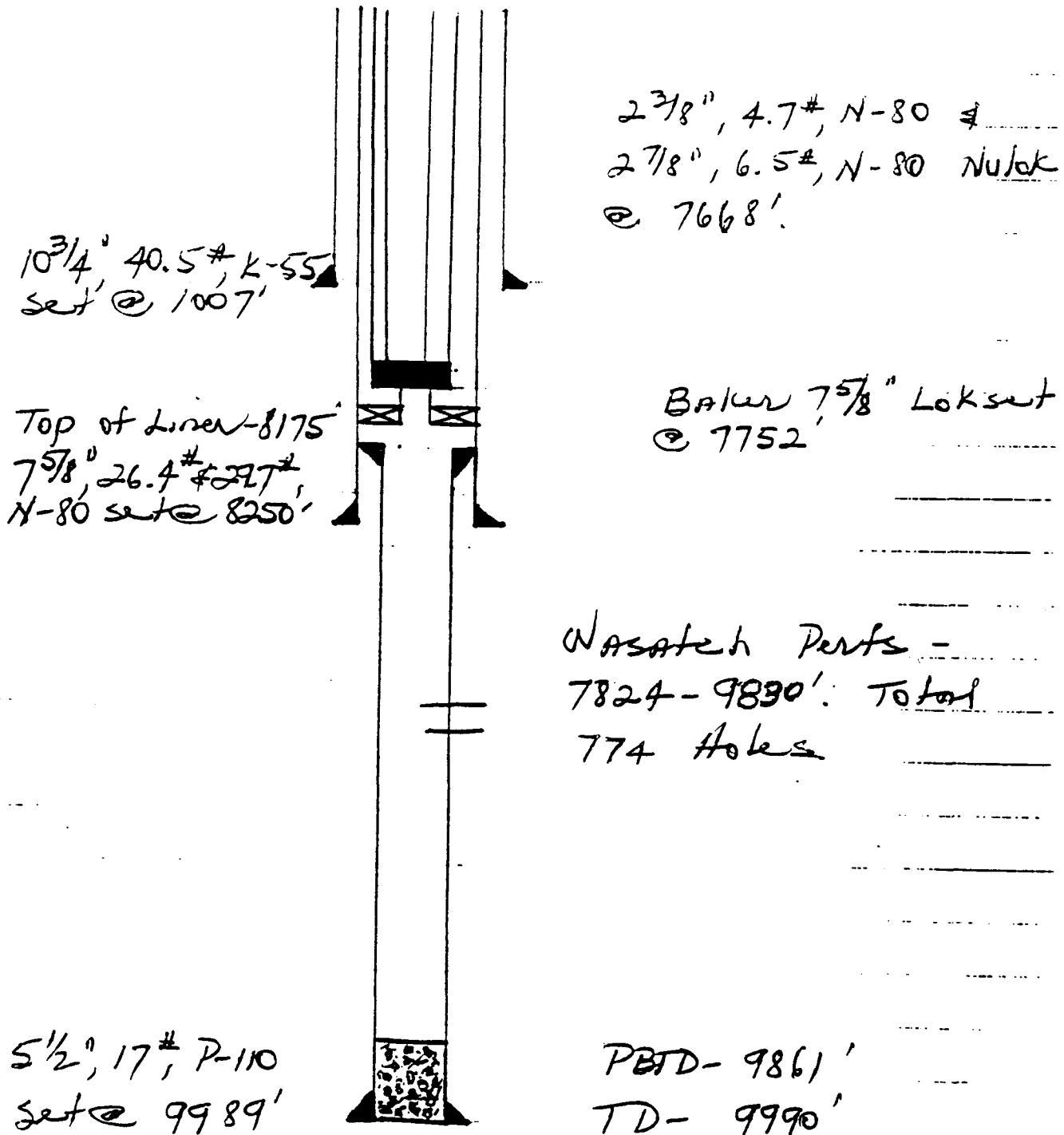
PRESENT STATUS

Shut-in, awaiting P&A.

PROCEDURE

1. MIRU service rig. Kill well & NU BOP. POOH w/2-3/8" and 2-7/8" tubing laying down 2-3/8" tubing.
2. PU cement retainer on 2-7/8" tbg and TIH. Set retainer @ $\pm 7965'$. Pump 50 sxs cmt below retainer and spot 75 sxs Class "G" cmt on top of retainer (7466'-7800').
3. Spot 50 sxs Class "G" from 6010'-6234'. (Spot 3% KCl water 6234'-7466' prior to spotting second cmt plugs.)
4. Fill 10-3/4" x 7-5/8" annulus w/cmt (would be 200 sxs if empty).
5. Spot 50 sxs Class "G" surface to 200'.
6. Cut off 7-5/8" csg below ground level. Install DHM as necessary.

Ute Tribal 1-29C5
 Section 29, T2S, R5W
 Altamont Field
 Duchesne County, Utah



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

14-20-H622393

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or L.A. Agreement Designation

CA #9C200

8. Well Name and No.

Ute #1-29C5

9. API Well No.

43-013-30449

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

Type of well

☒ Oil Well ☐ Gas Well ☐ Other

1. Name of Operator

ANR Production Company

2. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

3. Location of well (Footage, sec., T., R., M., or Survey Description)

1310' FNL & 2624' FEL
Section 29, T3S-R5W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recommendation
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report review of abandonment on well completion or abandonment report and log form.)

13. Describe proposed or completion operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measures and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological report for the plug and abandonment procedure performed on the above referenced well. (Note also the attached cement verification reports.)

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Chileen Davis

Title

Regulatory Analyst

Date 10/3/91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and unlawfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

PAGE 2

UTE TRIBAL #1-29C5 (P&A)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 46.59645% ANR AFE: 63498
TD: 9990' PBD: 9861'
5-1/2" LINER @ 8175'-9989'
PERFS: 7837'-9830' (WASATCH/GREEN RIVER)
CWC(M\$): \$52.3

- 9/3/91 LD 2-3/8" tbg. MIRU. Rls 2-3/8" tbg from pump cavity. SOH w/2-3/8" tbg.
DC: \$3,953 TC: \$3,953
- 9/4/91 RIH w/2-7/8" tbg & stinger. Fin LD 2-3/8" tbg. Rls tbg anchor & POOH w/2-7/8" tbg. PU & RIH w/7-5/8" cmt retainer & set @ 7800'.
DC: \$7,070 TC: \$11,023
- 9/5/91 Prep to perf sqz holes @ 1000'. Stung into ret @ 7800'. Pmp 50 sxs cmt below ret & spot 75 sxs on top. Circ hole w/9.1# brine wtr. Spot 75 sxs cmt from 5908' to 6234'.
DC: \$3,401 TC: \$14,424
- 9/6/91 Prep to re-cmt. Perf 4 sqz holes @ 1010'. Pmp 255 sxs Class "G" cmt down 7-5/8" & up 7-5/8" x 10-3/4" csg. Unable to find cmt w/slick line. Pmp add'l 140 sxs Class "G". 0 press.
DC: \$13,409 TC: \$27,833
- 9/9/91 Spot 108 sxs Class "G" cmt in 7-5/8" x 10-3/4" csg. Tag top @ 680'. Perf @ 303', 4 SPF w/4" gun. Pmp 100 sxs Class "G" cmt from 303' to sfc. ND BOP's. Cut off csg. Install DHM. RDSU. P&A complete @ 5:00 p.m., 9/9/91. Final report.
DC: \$12,981 TC: \$40,814



DOWELL S LUMBERGER INCORPORATED

REMITTANCE

INVOICE

REMIT TO: P O BOX 890788
DALLAS TX 75389-0788

1523

INVOICE DATE

09/09/91

PAGE

INVOICE NUMBER

917297
GPR PRODUCTION CO

15-03-7572

P O BOX 120
ALTAMONT

UT 84901

TYPE SERVICE

CEMENTING
PLUG TO ABANDON

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
UTE TR 1-29C-5	UT	TUCUENNE	VERNAL		
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
SEC29 T3S R5W			09/09/91	HAROLD CUNDALL	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
102972010	LBR/SGZ/PLG DC 501-1000' 1ST	SHR	1	1,150.0000	1,150.00	30.0	805.0000	805.00
959200000	EILEAGE, ALL OTHER EQUIPMENT	MT	75	2.6500	198.75	30.0	1.3550	139.13
959697000	PACR TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00	30.0	87.5000	87.50
949102000	TRANSPORTATION CHNT TON MILE	MT	925	.5000	460.00	30.0	.3500	462.00
949100000	SERVICE CHG CEMENT MAIL LAND	CFT	245	1.1500	281.75	30.0	.8050	197.23
102146002	9904A, REGULATED FILLUP CHNT	SK	210	12.6500	2,656.50	30.0	1,855.50	1,859.55
067005100	21.CALLIUM CHLORIDE	LBS	395	.2400	134.60	30.0	.1680	94.01
					5,206.30	30.0	SUB TOTAL ---	3,644.42
S C	STATE TAX ON						462.00	27.72
N L	STATE TAX ON						1,953.56	117.21
							AMOUNT DUE --	3,789.35

1-29C5

WORK

Hed

7-20-91

941 1499 0024 000 000 62498 789 8770 378435
 11/09/2691

WITH QUESTIONS CALL 801-789-0411

FEDERAL TAX ID # 38-239-7173

TERMS --- NET 30 DAYS DUE ON OR BEFORE OCT 09, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

W B CULPEPPER

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

SPECIAL HANDLING

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
15-03-7572

CUSTOMER NUMBER
917297

CUSTOMER P.O. NUMBER

DSI SERVICE LOCATION NAME AND NUMBER

Verona, Utah 15-03

OILFIELD SERVICES ☒
INDUSTRIAL SERVICES ☐

TYPE SERVICE CODE
295

BUSINESS CODES

WORKOVER ☐
NEW WELL ☒ W
OTHER ☐ N

API OR IC NUMBER

CUSTOMER'S NAME

ANR Ltd.

ADDRESS

CITY, STATE AND ZIP CODE

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

Plug well as req.

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS
ARRIVE LOCATION MO. DAY YR. TIME
9 9 91 0730

SERVICE ORDER RECEIPT
I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB COMPLETION MO. DAY YR. TIME
9 9 91 1200

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
*** 7/10/91 C. Kirkell**

STATE CODE COUNTY / PARISH CODE CITY
Utah Duchesne

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA
Ute Tribal 1-29CS Loc 29-735 R50 D/S

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102872-010	Pump Charge	ea	1	1150.00	1150.00
059200-002	Mileage	mi	75	2.65	198.75
059697-000	PACR Ent Reorder	ea	1	125.00	125.00
102872-000	Fuel Surcharge	ea	1	1.80	1.80
049102-000	Delivery Charge 11 Tons 75mi	Tons	825	1.15	281.75
049100-000	Service Charge	CFT	245	1.25	265.63
102146-000	D-804A RFE	CFT	210	1.25	262.50
067005-100	S-1 CaCl ₂	lb	395	1.34	134.30
1-29CS					
COOR					
7/10/91					
Account					
Thank You Very Much					
Field Est After disc #3692.72					
LICENSE/REIMBURSEMENT FEE					
LICENSE/REIMBURSEMENT FEE					
REMARKS:					
STATE:					
COUNTY:					
CITY:					
SIGNATURE OF DSI REPRESENTATIVE					
TOTAL \$					

Charged 210 of 400 sk on 9-9-91

Save 190 sk for Well # 21Ute

Field Est After disc #3692.72

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

STATE:

COUNTY:

CITY:

SIGNATURE OF DSI REPRESENTATIVE

TOTAL \$

3692.72

2415.56

144.93

3692.72

Joe Reese

CEMENTING SERVICE REPORT



DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER

15-03-2572

DATE

9-9-91

STAGE

DS

DISTRICT

Jernal, Utah

WELL NAME AND NO.

Uto In. 1-29-15

LOCATION (LEGAL)

Sec 29 T35 R5W

FIELD POOL

Koch

FORMATION

QTA

COUNTY/PARISH

Duchesne

STATE

Utah

API. NO.

RIG NAME:

Western Well Service

WELL DATA:

BOTTOM

TOP

BIT SIZE

CSG/Liner Size

7 5/8

TOTAL DEPTH

WEIGHT

26

☐ ROT ☐ CABLE

FOOTAGE

100

MUD TYPE

GRADE

-

☐ BHST

THREAD

-

☐ BHCT

-

MUD DENSITY

LESS FOOTAGE SHOE JOINT(S)

-

MUD VISC.

Disp. Capacity

-

TOTAL

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float

TYPE

DEPTH

Stage Tool

TYPE

DEPTH

TYPE

DEPTH

TYPE

DEPTH

SPECIAL INSTRUCTIONS

Mix + Pump 105 SK 10-2 RFC = 30 BBLs
down 7 5/8 up 10 3/4 @ 1010' 100 SK
10-2 RFC = 29 down 7 5/8 up 10 3/4
from 302' - Surface

IS CASING/TUBING SECURED? ☒ YES ☐ NO

LIFT PRESSURE

PSI

CASING WEIGHT - SURFACE AREA

(3.14 x R²)

PRESSURE LIMIT

1000

PSI

BUMP PLUG TO

PSI

ROTATE

RPM

RECIPROCATE

FT

No. of Centralizers

Head & Plugs

☒ TBG☐ D.P.

SQUEEZE JOB

☐ Double

SIZE

2 7/8

☐ Single

WEIGHT

6.5

☐ Swage

GRADE

TAIL PIPE: SIZE

DEPTH

☐ Knockoff

THREAD

-

☐ TOP☐ OR

NEW

USED

TUBING VOLUME

Bbls

☐ BOT☐ OR

DEPTH

1010

CASING VOL. BELOW TOOL

Bbls

TOTAL

Bbls

ANNUAL VOLUME

Bbls

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
0800											
0809	-	700	90	0	3	H2O	8.34				
0848	-	420	-	90	-	-	-				
0907	-	330	5	0	4	Fresh	8.34				
0909	-	710	30	5		Cmt	14.2				
0919	-	470	-	35	2.5	H2O	8.34				
0929	-	530	-	60	1	"	"				
0933	-	470	-	63	.5	"	"				
0943	-	510	-	65	-	-	-				
1115	-	30	6	0							
1118	-	60	5	6							
1121	-	50		11							
1137	-	50									

REMARKS

SYSTEM CODE	NO OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1	105	1.61	10-2 RFC	@	1010'		30	14.2
2	100	1.61	10-2 RFC	@	302'		28	14.2
3								
4								
5								
6								

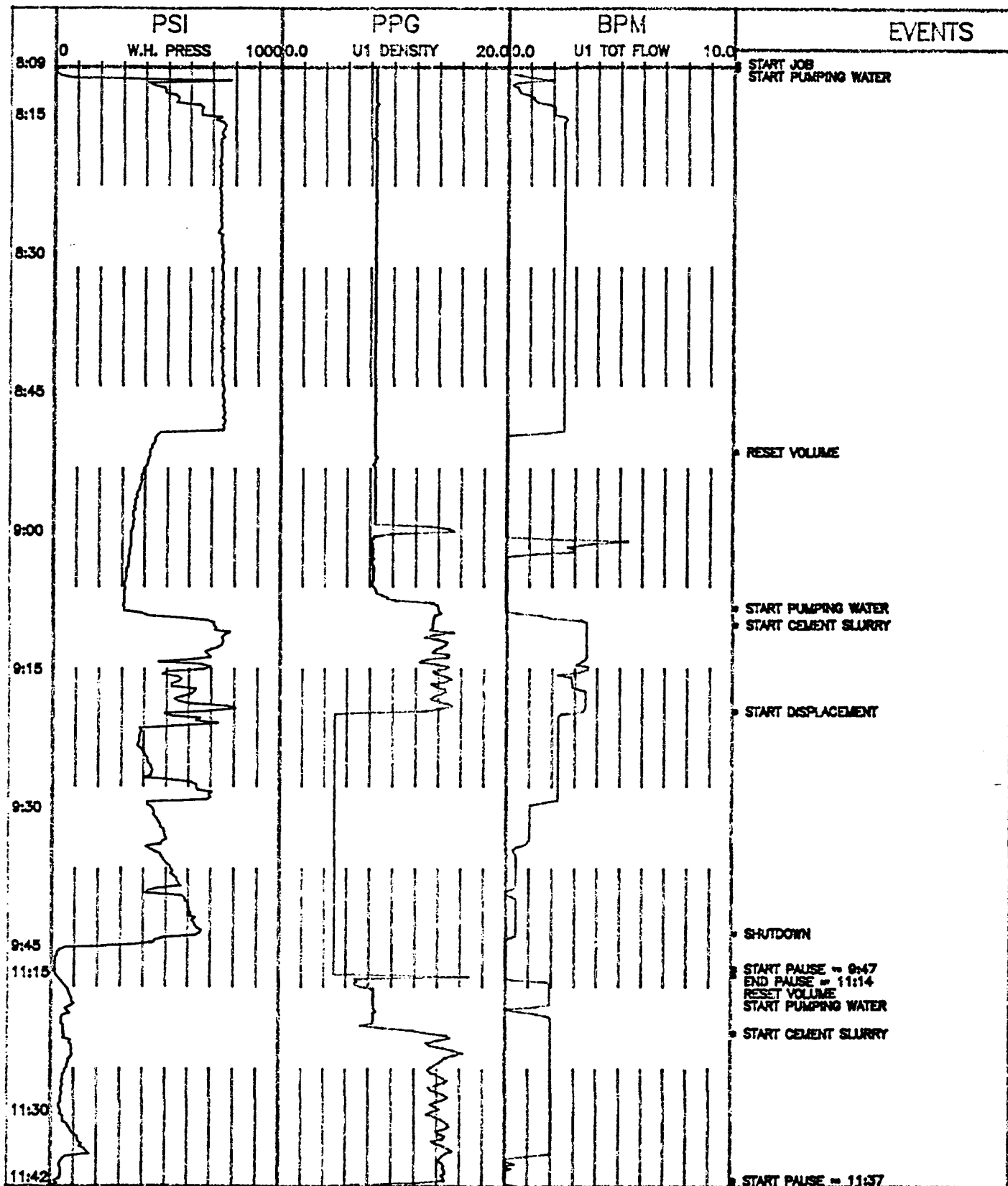
BREAKDOWN: FLUID TYPE				VOLUME		DENSITY		PRESSURE		MAX.		MIN:			
<input type="checkbox"/> HESITATION: SQ.				<input type="checkbox"/> RUNNING SQ		CIRCULATION LOST		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Cement Circulated To Surf. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Bbls	
BREAKDOWN		PSI		FINAL		PSI		DISPLACEMENT VOL. 30/0		Bbls		TYPE OF WELL		<input type="checkbox"/> OIL <input type="checkbox"/> STORAGE <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT	
Washed Thr. Scks		<input type="checkbox"/> YES <input type="checkbox"/> NO		TO		FT		MEASURED DISPLACEMENT		<input type="checkbox"/> WIRELINE		DS		SUPERVISOR	
PERFORATIONS						CUSTOMER REPRESENTATIVE								SUPERVISOR	
TO 1010 / 302'						Hal Lewis								Chris Ruan	
TO															

PACR PLOT



ANR LTD.
UTE TRIBAL 1-29C5
WESTERN WELL SER.
KOCH

VUT.
CMT,PTA
1503-7572
9-9-91





DOWELL SCHLUMBERGER INCORPORATED

REMITTANCE

INVOICE

REMIT TO: P O BOX 398789
DALLAS TX 75309-0789

INVOICE DATE

09/06/91

INVOICE NUMBER

15-03-7568

PAGE

TYPE SERVICE

CEMENTING
PLUG TO ABANDON

01297

WHR PRODUCTION CO

P O BOX 120
ALTAMONT

UT 54001

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
UTE 1-29C-5	UT	DUCHEPNE	VERNAL		
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
			09/06/91	HAROLD CUNDALL	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
192872010	LHR/S&I/PLG DC 501-1000' 1ST	QHR	1	1,150.0000	1,150.00	30.0	805.0000	805.00
059697000	PACR TREAT ANALYSIS RECORDER	QSB	1	125.0000	125.00	30.0	87.5000	87.50
049102000	TRANSPORTATION CMNT TON MILE	MI	1425	.8000	1,140.00	30.0	.5600	798.00
049100000	SERVICE CHG CEMENT RAFL LAND	CFT	400	1.1500	460.00	30.0	.8050	322.00
040007000	0987, CEMENT CLASS G	CFT	400	9.8500	3,540.00	30.0	6.1950	2,478.00
067005100	51,CALCIUM CHLORIDE	LBS	450	.3400	153.00	30.0	.2380	107.10
					6,568.00	30.0	SUB TOTAL --	4,597.60
N C	STATE TAX ON						798.00	47.88
N C	STATE TAX ON						2,595.10	155.10
							AMOUNT DUE --	4,800.58

1-29C5

LOOK

Hed

9-20-91

9/1 1499 0024 000000 63498789 8770 480258

✓ 7/10/92/91

WITH QUESTIONS CALL 801-789-9411

FEDERAL TAX ID # 38-239-7173

TERMS -- NET 30 DAYS DUE ON OR BEFORE OCT 06, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

W.B. Culpepper
W B CULPEPPER

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

SPECIAL HANDLING

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
15-03-7568

CUSTOMER NUMBER
917297

CUSTOMER P.O. NUMBER

DSI SERVICE LOCATION NAME AND NUMBER
Vernal Utah 15-03

TYPE SERVICE CODE
295

BUSINESS CODES

CUSTOMER'S
NAME

ANR Ltd.

ADDRESS

Box 120

CITY, STATE AND
ZIP CODE

Altamont

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

Cont well as Req. Plug To Abandon

OILFIELD SERVICES ☒
INDUSTRIAL SERVICES ☐

WORKOVER ☐ NEW WELL ☒ OTHER ☐ W ☐ N ☐

API OR IC NUMBER

ARRIVE LOCATION MO. DAY YR. TIME
9 6 91 0800

SERVICE ORDER RECEIPT

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB COMPLETION MO. DAY YR. TIME
9 6 91 0800

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
*** Harold C. Calkins**

STATE CODE COUNTY / PARISH CODE CITY
Utah **Duchesne**

WELL NAME AND NUMBER / JOB SITE LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA
Ute 1-29C-5 Sec T R D/S

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102872-010	Pump Charge	ea	1	1150 ⁰⁰	1150 ⁰⁰
059697-000	PACR Cont Recorder	ea	1	125 ⁰⁰	125 ⁰⁰
049102-000	Delivery Charge 19Tons 75mi	Tnmi	1425	-80	1140 ⁰⁰
049100-000	Service Charge	CFT	400	1.15	460 ³⁵
040007-000	D-907 G Cement	CFT	400	8.85	3540 ⁰⁰
067005-100	S-1 G/G	lb	450	.34	153 ⁰⁰
102946-000	Final Sum Charge	ea			
1-29C-5					
400R					
7400					
9-20-91					
(1970.40)					

Field Est. After discount **41662.54** SUB TOTAL **41597.60**

LICENSE/REIMBURSEMENT FEE

REMARKS: STATE TAX ON \$ **3383.10** 202.98

Pump on location from 9-591 COUNTY TAX ON \$

CITY TAX ON \$

thank you very much SIGNATURE OF DSI REPRESENTATIVE TOTAL \$ **41662.54**
Joe Reese

CEMENTING SERVICE REPORT



DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 15-03-7568	DATE 9-6-91
STAGE 7	DS 1/2 DISTRICT

WELL NAME AND NO. Ute 1-29C5		LOCATION (LEGAL) Sec T R		RIG NAME: Western Well	
FIELD-POOL Kock Field		FORMATION OTA		WELL DATA:	
COUNTY/PARISH Duchesne		STATE Utah		API. NO.	
NAME ANR LTD.		AND		ADDRESS	
ZIP CODE		SPECIAL INSTRUCTIONS Set 1st Plug Via 7 5/8 thru Perfs @ 1010' up the Ann. JIC 3/4 to Surface & Left 200' In 7 5/8.		NOTE: Include Footage From Ground Level To Head In Disp. Capacity	
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE		Casing Weight - Surface Area (3.14 x R ²)	
PRESSURE LIMIT 2000 PSI		BUMP PLUG TO		PSI	
ROTATE - RPM		RECIPROCATATE - FT		No. of Centralizers -	
HEAD & Plugs		SIZE 2 7/8		D.P.	
Double		Single		Swage	
Knockoff		THREAD 6		TUBING VOLUME	
TOP <input type="checkbox"/> R <input type="checkbox"/> W		NEW <input type="checkbox"/> USED		CASING VOL. BELOW TOOL	
BOT <input type="checkbox"/> R <input type="checkbox"/> W		DEPTH 200'		TOTAL	
ANNUAL VOLUME		SQUEEZE JOB		TYPE	
DEPTH		DEPTH		DEPTH	

TIME	THG OR D.P.	CASING	VOLUME PUMPED BBL	INJECT RATE	FLUID TYPE	FLUID DENSITY	ARRIVE ON LOCATION TIME: 0800 DATE: 9-6	LEFT LOCATION TIME: 1415 DATE: 9-6
0001 to 2400			INCREMENT CUM					
0837	-	550	60 0	4	Brine	9.4	St Pumping Brine down 7 5/8 out 10 3/4	
0857	-	550	0 60	-	-	-	Shutdown	
0921	-	220	3 0	3	H2O	8.24	St. Pumping H2O Ahead	
0922	-	230	52 3	3	Cmt	15.8	St. Pumping Cmt. Slurry with 2% CaCl2	
0937	-	100	38 55	3.8	H2O	8.24	St Pumping Disp	
0947	-		93	-	-	-	Shutdown	
1223	-	550	110 0	3	Brine	9.4	St Pump to Gain Circulation	
1306	-	0	- 110	-	-	-	Shutdown & wait	
1359	-	120	3 0	3	H2O	8.34	St Fresh Ahead	
1400	-	600	29 3	3	Cmt	15.8	St Cmt Slurry + 2% CaCl2	
1408	-	560	31 32	3	H2O	8.21	St Displacement	
1413	-	230	48	.5	"	"	Lower Pump Rate	
1444	-	-	83	-	-	-	Shutdown Pump Perfs Clean.	
							Job Complete for today	

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	255	1.15	G Cement + 2% S-1	52	15.8
2.	145	1.15	G Cement + 2% S-1	29	15.8
3.					
4.					
5.					
6.					

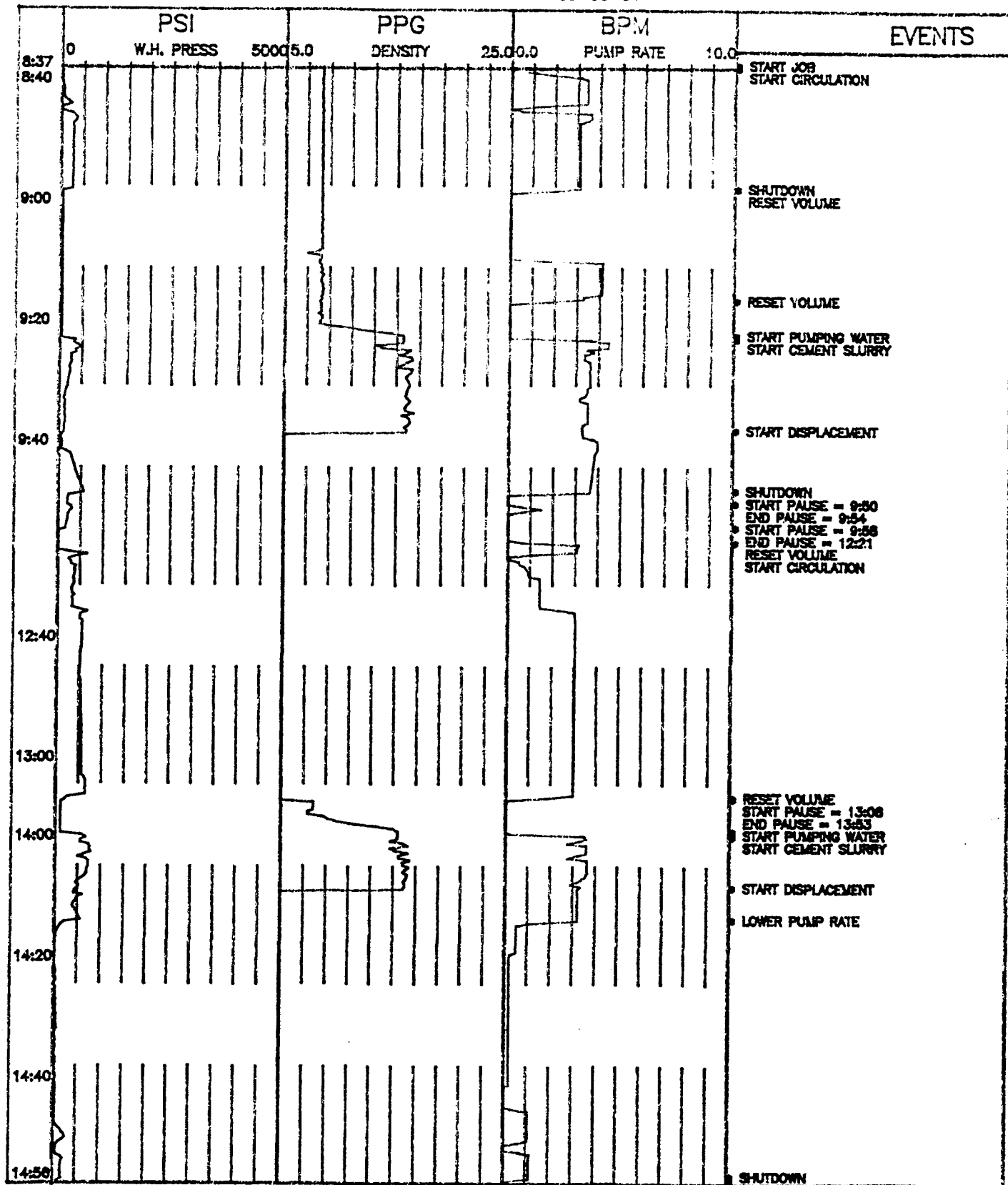
BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE		MAX.		MIN.	
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Cement Circulated To Surf.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN		PSI		FINAL		PSI		DISPLACEMENT VOL.		Bbls	
Washed Thru Perfs		<input type="checkbox"/> YES <input type="checkbox"/> NO		TO		FT.		MEASURED DISPLACEMENT		<input type="checkbox"/> WIRELINE	
PERFORATIONS		TO 1010		TO		TO		CUSTOMER REPRESENTATIVE		DS SUPERVISOR	
								Hal Qura		Joe Reese	

PACR PLOT



ANR LTD.
UTE 1-29C5
WESTERN WELL
KOCH

VUT,
CMT. PTA
1503-7568
09-08-91





DOWELL SCHLUMBERGER INCORPORATED

REMITTANCE

INVOICE

 REMIT TO: P O BOX 896788
 DALLAS TX 75389-0788

1293

41297

AMR PRODUCTION CO

P O BOX 130
ALTAMONT

ST 94001

INVOICE DATE

09/05/91

PAGE

INVOICE NUMBER

15-03-7556

TYPE SERVICE

CEMENTING
PLUG TO ABANDON

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
UTE 1-29C-5	UT	DUCHESNE	VERNAL		
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
			09/05/91	HAROLD CUNDALL	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
092872000	LHR/S82/PLG 7501-8000' 1ST 8	SHR	1	2,650.0000	2,650.00	30.0	1,855.0000	1,855.00
059200000	MILEAGE, ALL OTHER EQUIPMENT	MT	75	2.6500	198.75	30.0	1.8550	139.13
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00	30.0	87.5000	87.50
049102000	TRANSPORTATION CHMT 10N MILE	MI	750	.0000	606.40	30.0	.5600	424.48
049100000	SERVICE CHG CEMENT KATL LAND	CFT	215	1.1500	247.25	30.0	.8050	173.68
040007000	0907. CEMENT CLASS C	CFT	215	8.0500	1,792.75	30.0	6.1950	1,331.93
					5,736.15	30.0	SUB TOTAL ---	4,011.12
W C	STATE TAX ON						424.48	25.47
W C	STATE TAX ON						1,331.93	79.91
							AMOUNT DUE ---	4,116.50

1-29C5

WCR

Hes

9-20-91

 9/14/99 0024 000000 62498 789 8770 4116.50
 ✓ My 92691

WITH QUESTIONS CALL 801-789-0411

FEDERAL TAX ID # 38-239-7173

TERMS --- NET 30 DAYS DUE ON OR BEFORE OCT 05, 1991

THANK YOU. WE APPRECIATE YOUR BUSINESS.

W.B. Culpepper
W B CULPEPPER

P.O. BOX 4878 HOUSTON, TEXAS 77210

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE LOCATION NAME AND NUMBER
Permal, Utah 15-03

CUSTOMER NUMBER 917297	CUSTOMER P.O. NUMBER	TYPE SERVICE CODE 245	BUSINESS CODES
---------------------------	----------------------	--------------------------	----------------

ADDRESS

CITY, STATE AND
ZIP CODE

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

WORKOVER	<input checked="" type="checkbox"/>	W	API OR IC NUMBER
NEW WELL	<input type="checkbox"/>	N	
OTHER	<input type="checkbox"/>		

IMPORTANT SEE OTHER SIDE FOR TERMS & CONDITIONS				
ARRIVE LOCATION	MO.	DAY	YR.	TIME
	9	5	91	0200

SERVICE ORDER RECEIPT

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB	MO.	DAY	YR.	TIME
COMPLETION	9	5	97	1415

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

STATE	CODE	COUNTY / PARISH	CODE	CITY
Utah		Duchesne		

WELL NAME AND NUMBER / JOB SITE	LOCATION AND POOL / PLANT ADDRESS	SHIPPED VIA
		D/S

[illegible]

Field Est After disc		SUB-TOTAL	
10087884		105.38	
LICENSE/REIMBURSEMENT FEE		6.50	
LICENSE/REIMBURSEMENT FEE		6.50	
REMARKS:		STATE	
Thank You Very Much		COUNTY	
		CITY	
		SIGNATURE OF DSI REPRESENTATIVE	
		TOTAL	

CEMENTING SERVICE REPORT



DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 15-03-7566	DATE 9-5-91
STAGE DS	DISTRICT Vernal Utah

WELL NAME AND NO. Ute 1-29C.5	LOCATION (LEGAL) Sec T R	RIG NAME: Western Well Ser.																																
FIELD-POOL Kock & Field	FORMATION Wasatch	WELL DATA:																																
COUNTY/PARISH Duchesne	STATE Utah	API. NO.																																
NAME ANR Ltd.	ADDRESS Page 1 of 2	ZIP CODE																																
SPECIAL INSTRUCTIONS Plug as Req. Pump 125 slc G via Tub thru Retainer @ 2800 - 75 slc @ 6234' Circulate Hole with 9.4# Brine																																		
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																																		
LIFT PRESSURE	PSI	CASING WEIGHT - SURFACE AREA (3.14 x R ²)																																
PRESSURE LIMIT	2500	PSI																																
ROTATE	RPM	RECIPROCATATE																																
FT No. of Centralizers																																		
NOTE: include Footage From Ground Level To Head in Disp. Capacity																																		
<table border="1"> <tr> <td>TYPE</td> <td>DEPTH</td> <td>TYPE</td> <td>DEPTH</td> </tr> <tr> <td>TYPE</td> <td>DEPTH</td> <td>TYPE</td> <td>DEPTH</td> </tr> </table>			TYPE	DEPTH	TYPE	DEPTH	TYPE	DEPTH	TYPE	DEPTH																								
TYPE	DEPTH	TYPE	DEPTH																															
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<table border="1"> <tr> <td>Head & Plugs</td> <td>TBG</td> <td>D.P.</td> <td>SQUEEZE JOB</td> </tr> <tr> <td>Double</td> <td>SIZE</td> <td>2 7/8</td> <td>TYPE Baker Retainer</td> </tr> <tr> <td>Single</td> <td>WEIGHT</td> <td>6.5</td> <td>DEPTH 7800</td> </tr> <tr> <td>Swage</td> <td>GRADE</td> <td>15.5</td> <td>TAIL PIPE: SIZE</td> </tr> <tr> <td>Knockoff</td> <td>THREAD</td> <td>8</td> <td>DEPTH</td> </tr> <tr> <td>TOP</td> <td>NEW</td> <td>USED</td> <td>CASING VOL. BELOW TOOL</td> </tr> <tr> <td>BOT</td> <td>DEPTH</td> <td></td> <td>TOTAL</td> </tr> <tr> <td colspan="3"></td> <td>ANNUAL VOLUME</td> </tr> </table>			Head & Plugs	TBG	D.P.	SQUEEZE JOB	Double	SIZE	2 7/8	TYPE Baker Retainer	Single	WEIGHT	6.5	DEPTH 7800	Swage	GRADE	15.5	TAIL PIPE: SIZE	Knockoff	THREAD	8	DEPTH	TOP	NEW	USED	CASING VOL. BELOW TOOL	BOT	DEPTH		TOTAL				ANNUAL VOLUME
Head & Plugs	TBG	D.P.	SQUEEZE JOB																															
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TOP	NEW	USED	CASING VOL. BELOW TOOL																															
BOT	DEPTH		TOTAL																															
			ANNUAL VOLUME																															

TIME	PRESSURE	VOLUME PUMPED bbl	JOB SCHEDULED FOR TIME	DATE	ARRIVE ON LOCATION TIME	DATE	LEFT LOCATION TIME	DATE
0001 to 2400	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0843	310	207	0	5	For	8.3		Pump Formation H ₂ O to fill Hole
0938	350	-	-	515	"	"		Increase Rate
0947	630	-	-	-	-	-		Shutdown
0948	630	-	-	3	"	"		Pump up Again
0950	1000	-	207	-	-	-		Shutdown Watch Pressure Test
1024	530	5	0	3	H ₂ O	8.34		St Pumping H ₂ O Ahead
1026	360	25	5	4.7	Cmt	15.8		St Pumping Cmt. Slurry @ 2800'
1031	210	31	30	5	H ₂ O	8.34		St Pumping H ₂ O Behind Displ.
1031	220	-	305	5	For	8.34		St Pumping Formation Displ
1037	0	-	615	-	-	-		Shutdown String out of Ret Let Cmt Balance out
1104	320	340	0	5	Brine	9.4		St Pump via Annulus to Cir. Hole w/Br
1115	1050	-	50	5	"	"		Pressure Increase
1219	760	-	340	-	-	-		Shutdown Pull Tub to 6234'
1312	350	3	0	1	H ₂ O	8.34		Pressure Test 10 3/4
1315	230	0	3	-	-	-		Shutdown & Holding

REMARKS H₂O Checked OK

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	125	1.15	G Cement	25	15.8
2.	75	1.15	G Cement	15	15.8
3.					
4.					
5.					
6.					

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE 1300 MAX.	MIN:
<input type="checkbox"/> HESITATION SO	<input type="checkbox"/> RUNNING SO	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf. <input type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN PSI	FINAL PSI	DISPLACEMENT VOL.	31, 34	Bbls
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT <input type="checkbox"/>	<input type="checkbox"/> WIRELINE
PERFORATIONS	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR	
TO	TO	Hal Price	Joe Reese	

CEMENTING SERVICE REPORT

DOWELL SCHLUMBERGER INCORPORATED

TR	MENT NUMBER	DATE
STAGE	DS	DISTRICT

496 PRINTED IN U.S.A.

WELL NAME AND NO. Wte 1-29C5		LOCATION (LEGAL)		RIG NAME:	
D-POL		FORMATION		WELL DATA: BOTTOM TOP	
COUNTY/PARISH		STATE		API. NO.	
NAME ANR Ltd.		MUD TYPE		GRADE	
ADDRESS		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	
SOCIAL INSTRUCTIONS		MUD VISC.		Disp. Capacity	
CIP CODE		NOTE: Include Footage From Ground Level To Head in Disp. Capacity		TOTAL	
Casing/Tubing Secured? <input type="checkbox"/> YES <input type="checkbox"/> NO		Pressure		PSI	
Pressure Limit		PSI		BUMP PLUG TO	
Rate		RPM		RECIPROCAT	
FT		No. of Centralizers		SQUEEZE JOB	
Head & Plugs		TBG		D.P.	
Double		SIZE		TYPE	
Single		WEIGHT		DEPTH	
Swage		GRADE		TAIL PIPE: SIZE DEPTH	
Knockoff		THREAD		TUBING VOLUME	
TOP		NEW		USED	
BOT		DEPTH		CASING VOL. BELOW TOOL	
ANNUAL VOLUME		Bbls		Bbls	

TIME	THB OR D.P.	CASING	VOLUME PUMPED BBL	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
001 to 2400			INCREMENT CUM				
332	500	-	5 0	3	H2O	8.34	St Pumping Fresh Ahead
335	260	-	15 5	4	Cmt	15.8	St Pumping Cmt Slurry @ 6234
340	100	-	34 5	4	Brine	9.4	St Pump Brine Disp.
350	0	-	54 5	-	-	-	Shutdown Plug Balanced
							Job Complete for Today

MARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.					
2.					
3.					
4.					
5.					
6.					

ACKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN.
ESTIMATION SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input type="checkbox"/> NO	Cement Circulated To Surf.	<input type="checkbox"/> YES <input type="checkbox"/> NO
ACKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbls
Red Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
FORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS	SUPERVISOR

PACR PLOT



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